

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| | |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|--|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | | | | |
| | | | | |

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

| | | | | |
|---|--|---------|-------------|-----------------------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio Gravity |

| | | |
|---|--|------------------------------------|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> | PRODUCTION INTERVAL: Top Bottom |
|---|--|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: | |
|----------------|-------|---------|------------|--|

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Russell Oil, Inc. |
| Well Name | HOCKERSMITH C 15-1 |
| Doc ID | 1564895 |

Tops

| Name | Top | Datum |
|--------------|------|-------|
| Anhydrite | 2570 | 486 |
| Base Anhyd. | 2598 | 451 |
| Heebner | 4016 | -960 |
| Toronto | 4038 | -982 |
| Lansing KC | 4058 | -1002 |
| Muncie Creek | 4195 | -1139 |
| Stark Shale | 4277 | -1221 |
| BKC | 4336 | -1280 |
| Marmaton | 4374 | -1318 |
| Pawnee | 4462 | -1406 |
| Ft Scott | 4528 | -1472 |
| Cherokee Sh | 4556 | -1500 |
| Johnson | 4598 | -1542 |
| Mississippi | 4652 | -1596 |
| LTD | 4696 | -1640 |
| RTD | 4694 | -1638 |



DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

PO Box 8050
Edmond, OK 73083

ATTN: Kitt Noah

Hockersmith'C' #15-1

15-11-32 Logan,KS

Start Date: 2021.03.06 @ 00:05:00

End Date: 2021.03.06 @ 06:36:39

Job Ticket #: 67503 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.03.11 @ 15:30:33

Russell Oil Inc
15-11-32 Logan,KS
Hockersmith'C' #15-1
DST # 1
LKC " E-F "
2021.03.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67503 **DST#: 1**
Test Start: 2021.03.06 @ 00:05:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:55:10
Time Test Ended: 06:36:39
Interval: **4118.00 ft (KB) To 4152.00 ft (KB) (TVD)**
Total Depth: 4152.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Martine Salinas
Unit No: 82
Reference Elevations: 3056.00 ft (KB)
3051.00 ft (CF)
KB to GR/CF: 5.00 ft

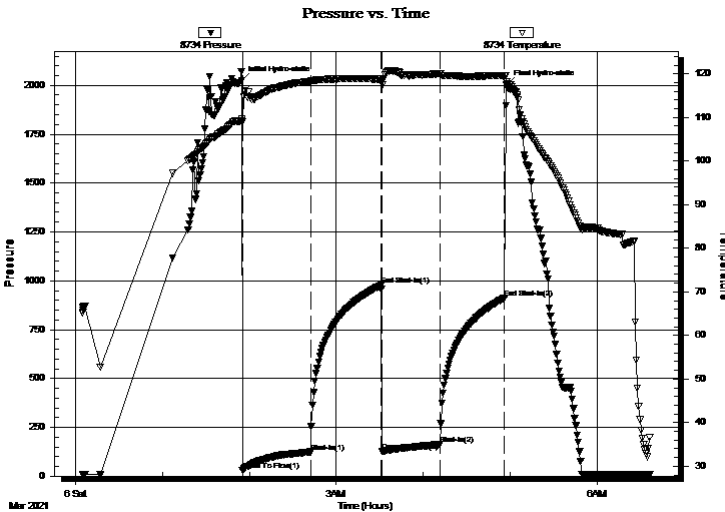
Serial #: 8734

Outside

Press@RunDepth: 162.04 psig @ 4119.00 ft (KB)
Start Date: 2021.03.06 End Date: 2021.03.06
Start Time: 00:05:01 End Time: 06:36:40
Capacity: 8000.00 psig
Last Calib.: 2021.03.06
Time On Btm: 2021.03.06 @ 01:54:50
Time Off Btm: 2021.03.06 @ 04:57:20

TEST COMMENT: 45-IF-Surface blow built to 10 1/4"
45-ISI-No blow back
45-FF-Surface blow built to 6 1/2"
45-FSI-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2024.45 | 109.59 | Initial Hydro-static |
| 1 | 30.36 | 109.03 | Open To Flow (1) |
| 48 | 124.24 | 118.28 | Shut-In(1) |
| 96 | 976.38 | 118.82 | End Shut-In(1) |
| 97 | 127.49 | 118.41 | Open To Flow (2) |
| 137 | 162.04 | 120.02 | Shut-In(2) |
| 182 | 912.40 | 119.63 | End Shut-In(2) |
| 183 | 2002.21 | 118.19 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------|--------------|
| 300.00 | MCW 20% M, 80% W | 2.60 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67503 **DST#: 1**
Test Start: 2021.03.06 @ 00:05:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3936.00 ft | Diameter: 3.80 inches | Volume: 55.21 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.75 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 176.00 ft | Diameter: 2.25 inches | Volume: 0.87 bbl | Weight to Pull Loose: 58000.00 lb |
| | | | <u>Total Volume: 56.08 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 26.00 ft | | | String Weight: Initial 67000.00 lb |
| Depth to Top Packer: | 4118.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 34.00 ft | | | |
| Tool Length: | 66.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|-----------------|-------|-------|---------|---------|-------------------------------|
| Change Over Sub | 1.00 | | | 4087.00 | |
| Shut In Tool | 5.00 | | | 4092.00 | |
| Hydraulic tool | 5.00 | 1113 | | 4097.00 | |
| Jars | 5.00 | 01-07 | | 4102.00 | |
| EM Tool | 4.00 | | | 4106.00 | |
| Safety Joint | 3.00 | -001 | | 4109.00 | |
| Packer | 5.00 | | | 4114.00 | 32.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4118.00 | |
| Stubb | 1.00 | | | 4119.00 | |
| Recorder | 0.00 | 8959 | Inside | 4119.00 | |
| Recorder | 0.00 | 8734 | Outside | 4119.00 | |
| Perforations | 30.00 | | | 4149.00 | |
| Bullnose | 3.00 | | | 4152.00 | 34.00 Bottom Packers & Anchor |

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67503 **DST#: 1**
Test Start: 2021.03.06 @ 00:05:00

Mud and Cushion Information

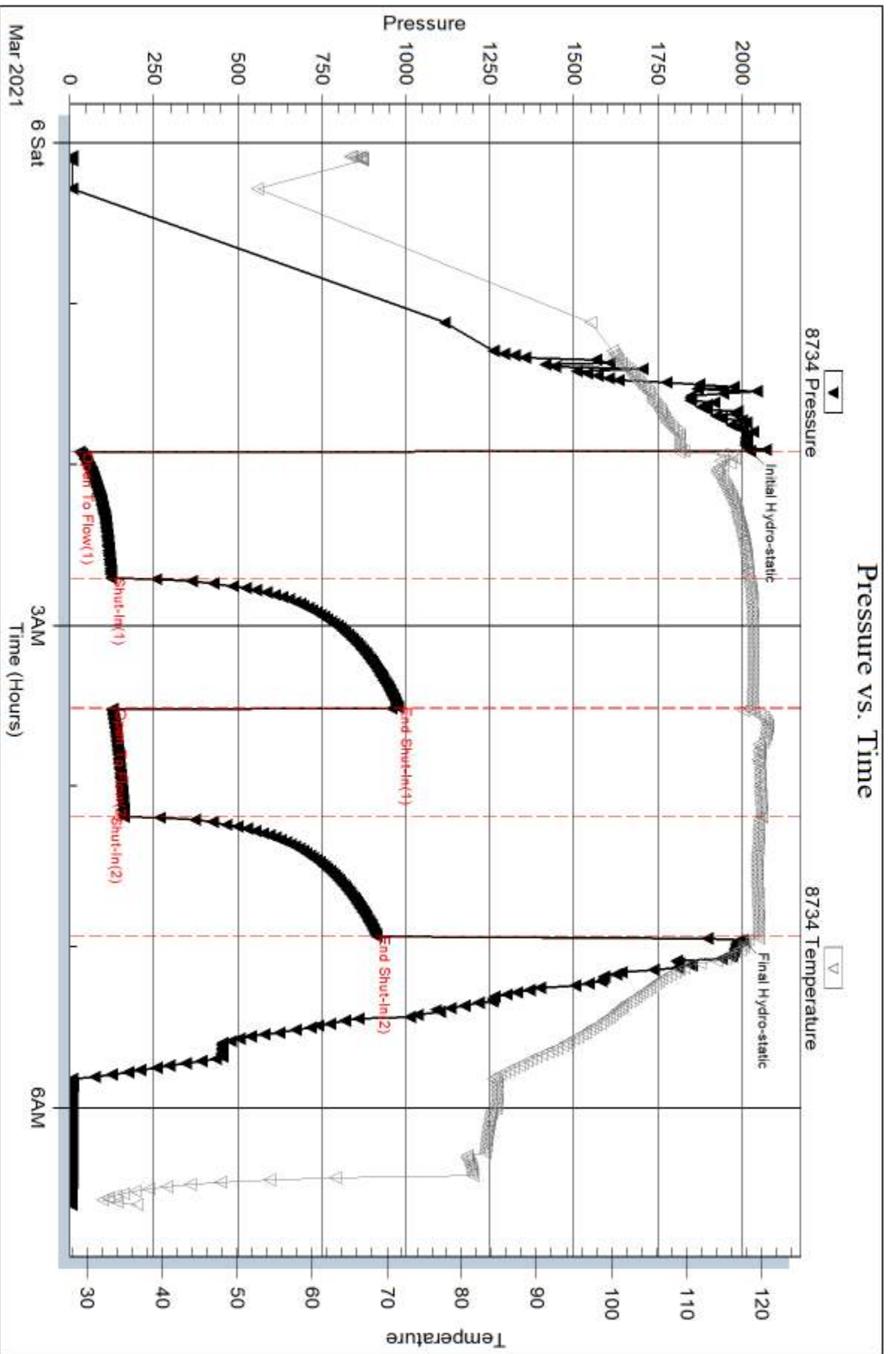
| | | | |
|----------------------------------|----------------------------|-----------------|-----------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | 30000 ppm |
| Viscosity: 52.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 6.78 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1500.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------|---------------|
| 300.00 | MCW 20% M, 80% W | 2.605 |

Total Length: 300.00 ft Total Volume: 2.605 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW = .451 @ 38.0 degs = 30,000PPM



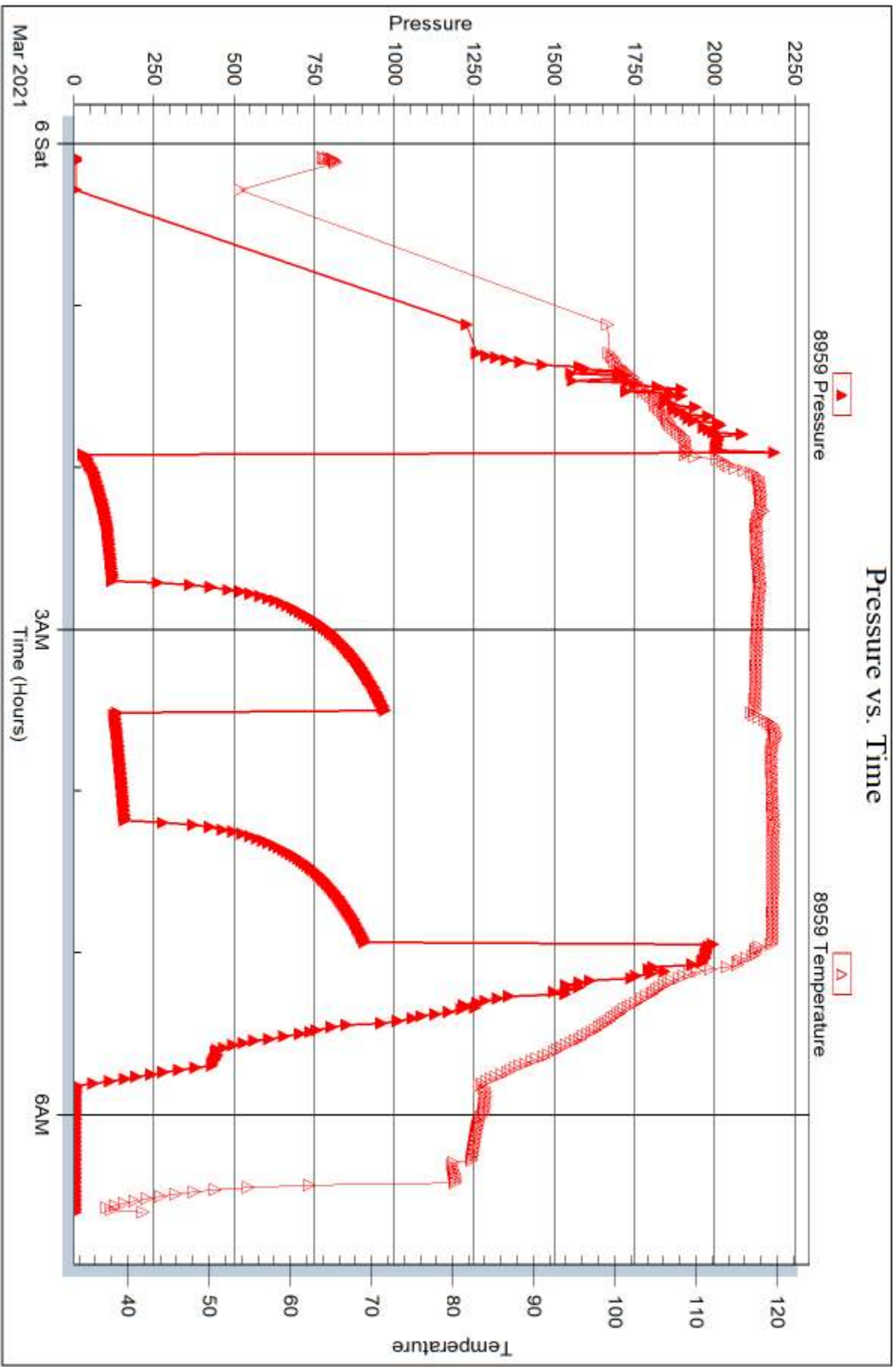
Serial #: 8959

Inside

Russell Oil Inc

Hockersmith C #15-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67503

Printed: 2021.03.11 @ 15:30:34



DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**
PO Box 8050
Edmond, OK 73083

ATTN: Kitt Noah

Hockersmith'C' #15-1

15-11-32 Logan,KS

Start Date: 2021.03.06 @ 15:00:00

End Date: 2021.03.06 @ 21:16:39

Job Ticket #: 67504 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.03.11 @ 15:29:42

Russell Oil Inc
15-11-32 Logan,KS
Hockersmith'C' #15-1
DST # 2
LKC " H "
2021.03.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

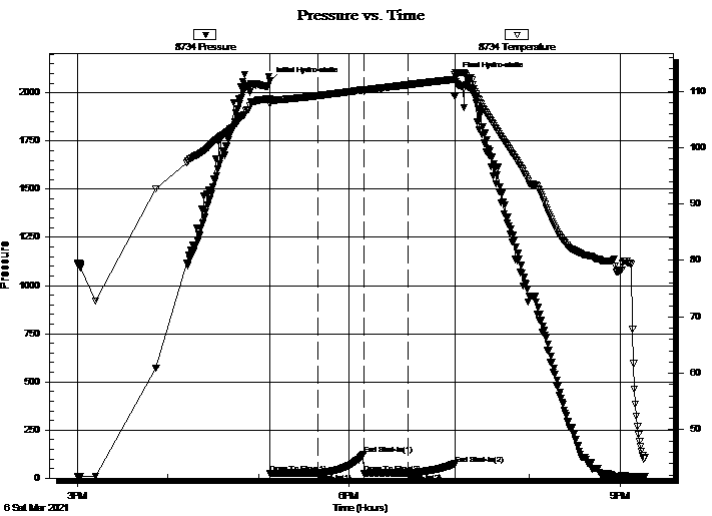
15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67504 **DST#: 2**
Test Start: 2021.03.06 @ 15:00:00

GENERAL INFORMATION:

Formation: **LKC " H "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:07:50
Time Test Ended: 21:16:39
Interval: **4180.00 ft (KB) To 4214.00 ft (KB) (TVD)**
Total Depth: 4214.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 82
Reference Elevations: 3056.00 ft (KB)
3051.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8734 Outside
Press@RunDepth: 27.27 psig @ 4181.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.03.06 End Date: 2021.03.06 Last Calib.: 2021.03.06
Start Time: 15:00:01 End Time: 21:16:40 Time On Btm: 2021.03.06 @ 17:07:40
Time Off Btm: 2021.03.06 @ 19:10:50

TEST COMMENT: 30-IF-Strong surface blow dead @ 27 mins
30-ISI-No blow back
30-FF-No blow
30-FSI-No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2060.63 | 108.62 | Initial Hydro-static |
| 1 | 25.60 | 107.77 | Open To Flow (1) |
| 32 | 26.04 | 109.18 | Shut-In(1) |
| 63 | 124.56 | 110.23 | End Shut-In(1) |
| 63 | 26.48 | 110.17 | Open To Flow (2) |
| 92 | 27.27 | 111.11 | Shut-In(2) |
| 123 | 73.75 | 112.09 | End Shut-In(2) |
| 124 | 2082.93 | 113.22 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 5.00 | OSM 3%O, 97% M | 0.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc

15-11-32 Logan,KS

PO Box 8050
Edmond, OK 73083

Hockersmith'C' #15-1

Job Ticket: 67504

DST#: 2

ATTN: Kitt Noah

Test Start: 2021.03.06 @ 15:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4000.00 ft | Diameter: 3.80 inches | Volume: 56.11 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.75 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 176.00 ft | Diameter: 2.25 inches | Volume: 0.87 bbl | Weight to Pull Loose: 65000.00 lb |
| | | | <u>Total Volume: 56.98 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 28.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4180.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 34.00 ft | | | |
| Tool Length: | 66.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4149.00 | |
| Shut In Tool | 5.00 | | | 4154.00 | |
| Hydraulic tool | 5.00 | 1113 | | 4159.00 | |
| Jars | 5.00 | 01-07 | | 4164.00 | |
| EM Tool | 4.00 | | | 4168.00 | |
| Safety Joint | 3.00 | -001 | | 4171.00 | |
| Packer | 5.00 | | | 4176.00 | 32.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4180.00 | |
| Stubb | 1.00 | | | 4181.00 | |
| Recorder | 0.00 | 8959 | Inside | 4181.00 | |
| Recorder | 0.00 | 8734 | Outside | 4181.00 | |
| Perforations | 30.00 | | | 4211.00 | |
| Bullnose | 3.00 | | | 4214.00 | 34.00 Bottom Packers & Anchor |

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

15-11-32 Logan,KS

PO Box 8050
Edmond, OK 73083

Hockersmith'C' #15-1

Job Ticket: 67504

DST#: 2

ATTN: Kitt Noah

Test Start: 2021.03.06 @ 15:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 5.00 | OSM 3%O, 97% M | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

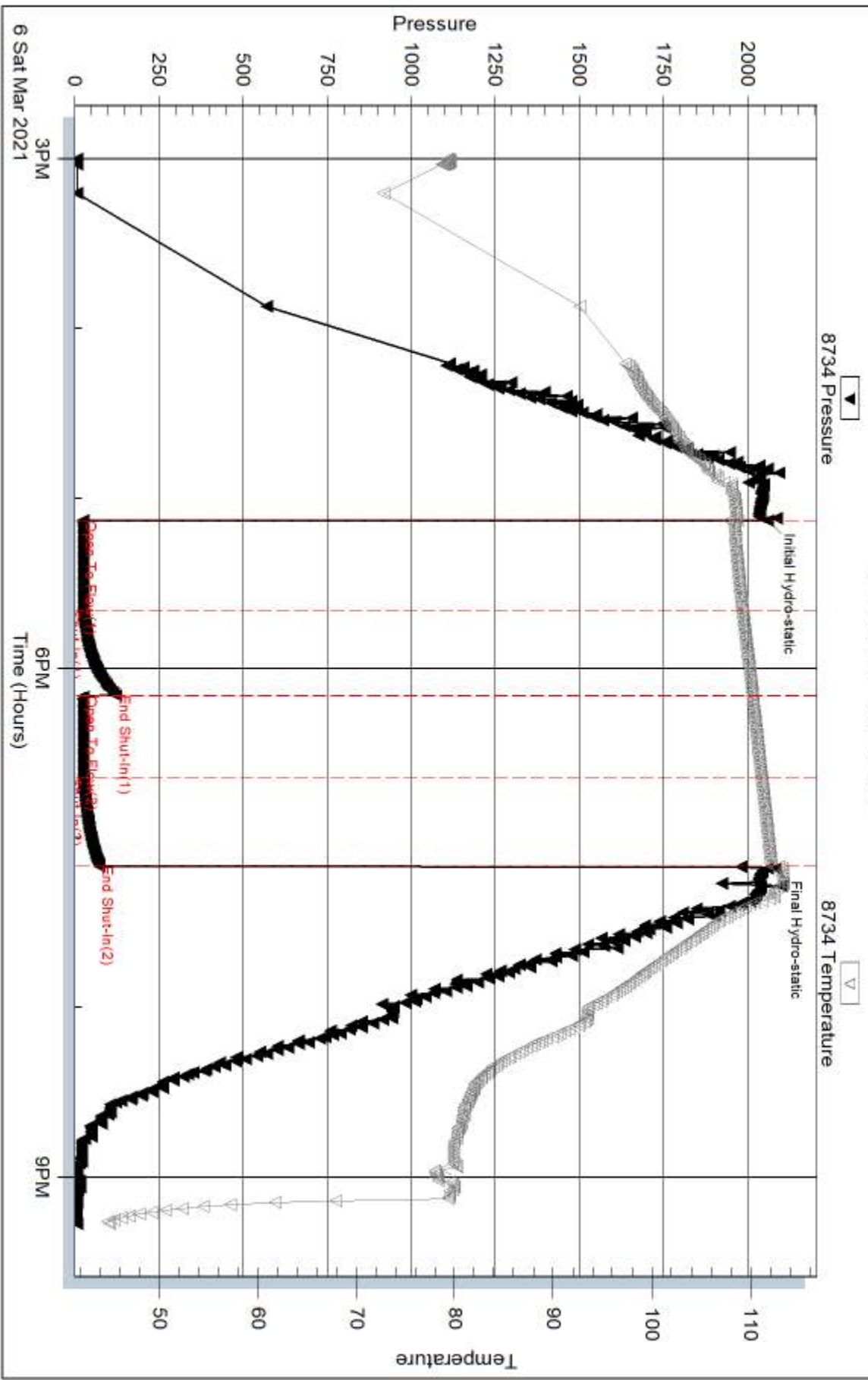
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



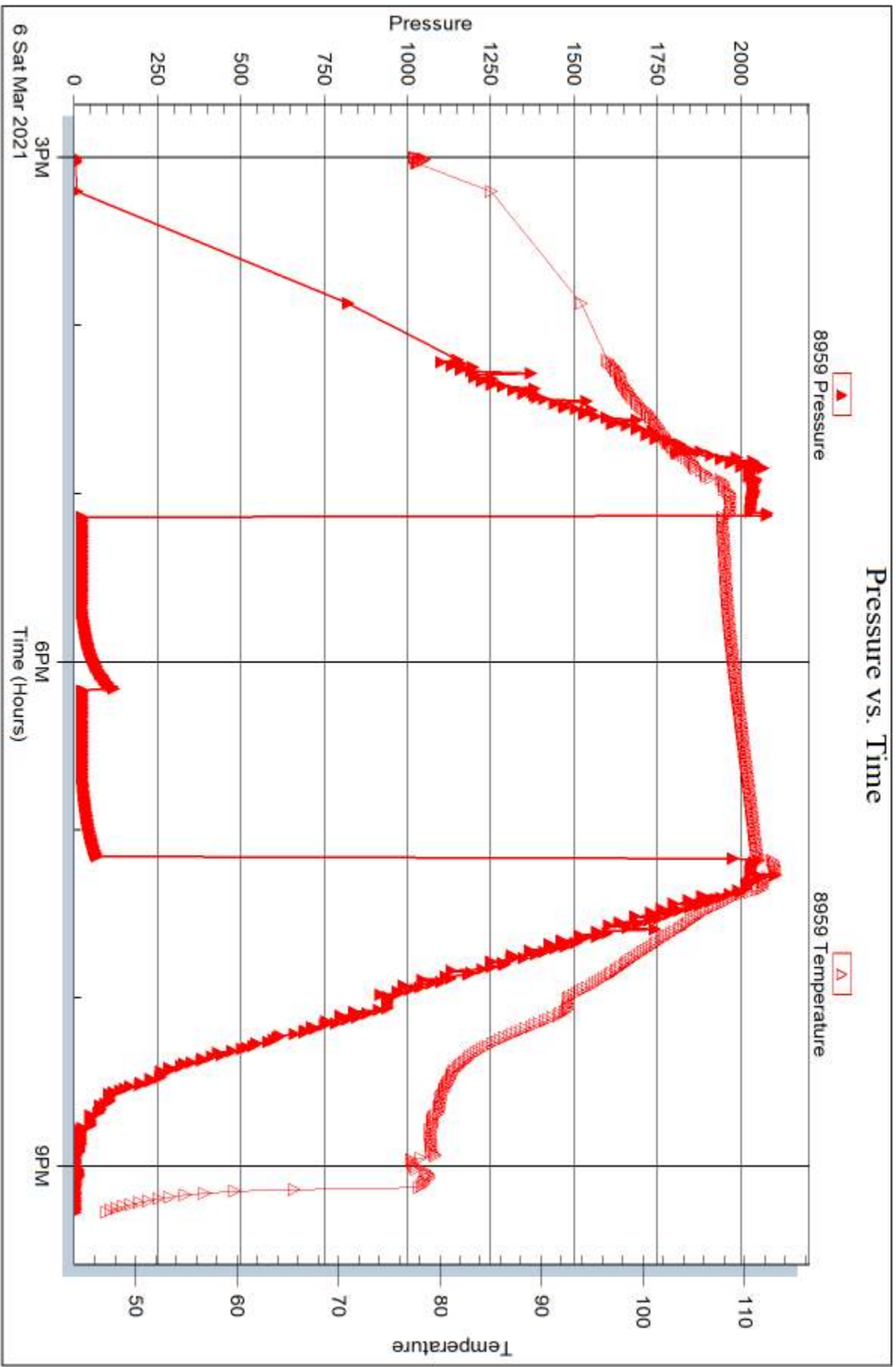
Serial #: 8959

Inside

Russell Oil Inc

Hockersmith C #15-1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 67504

Printed: 2021.03.11 @ 15:29:43



DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**

PO Box 8050
Edmond, OK 73083

ATTN: Kitt Noah

Hockersmith'C' #15-1

15-11-32 Logan,KS

Start Date: 2021.03.07 @ 07:49:00

End Date: 2021.03.07 @ 12:57:20

Job Ticket #: 76505 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.03.11 @ 15:28:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 76505 **DST#: 3**
Test Start: 2021.03.07 @ 07:49:00

GENERAL INFORMATION:

Formation: **LKC "I - J "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 09:23:50 Tester: Martine Salinas
Time Test Ended: 12:57:20 Unit No: 82
Interval: 4216.00 ft (KB) To 4273.00 ft (KB) (TVD) Reference Elevations: 3056.00 ft (KB)
Total Depth: 4273.00 ft (KB) (TVD) 3051.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

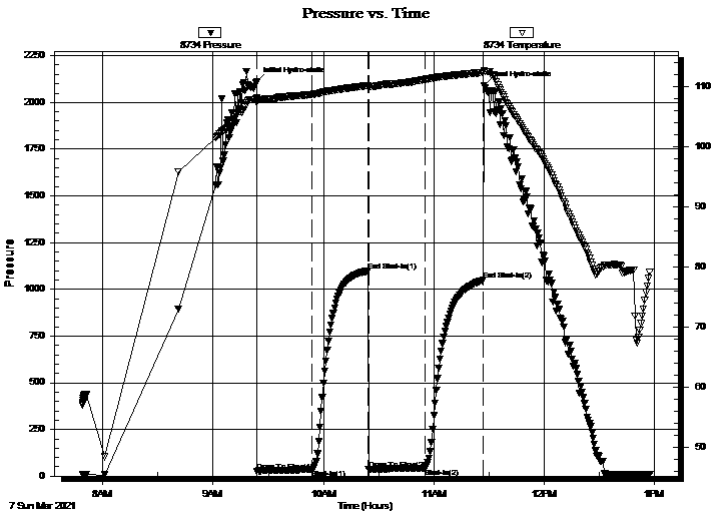
Serial #: 8734

Outside

Press@RunDepth: 42.31 psig @ 4217.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.03.07 End Date: 2021.03.07 Last Calib.: 2021.03.07
Start Time: 07:49:01 End Time: 12:57:20 Time On Btm: 2021.03.07 @ 09:23:40
Time Off Btm: 2021.03.07 @ 11:27:20

TEST COMMENT: 30-IF-Surface blow built to 1"
30-ISI-No blow back
30-FF-No blow
30-FF-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2110.42 | 108.15 | Initial Hydro-static |
| 1 | 27.32 | 107.37 | Open To Flow (1) |
| 31 | 35.42 | 108.72 | Shut-In(1) |
| 61 | 1097.34 | 110.21 | End Shut-In(1) |
| 61 | 36.56 | 109.79 | Open To Flow (2) |
| 92 | 42.31 | 111.23 | Shut-In(2) |
| 123 | 1048.01 | 112.38 | End Shut-In(2) |
| 124 | 2089.61 | 112.71 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------|--------------|
| 10.00 | 100% Mud w/oil specks | 0.05 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 76505 **DST#: 3**
Test Start: 2021.03.07 @ 07:49:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4031.00 ft | Diameter: 3.80 inches | Volume: 56.54 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.75 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 176.00 ft | Diameter: 2.25 inches | Volume: 0.87 bbl | Weight to Pull Loose: 65000.00 lb |
| | | | <u>Total Volume: 57.41 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 23.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4216.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 57.00 ft | | | |
| Tool Length: | 89.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool | 5.00 | | | 4189.00 | |
| Hydraulic tool | 5.00 | 1113 | | 4194.00 | |
| Jars | 5.00 | 01-07 | | 4199.00 | |
| EM Tool | 4.00 | | | 4203.00 | |
| Safety Joint | 3.00 | -001 | | 4206.00 | |
| Packer | 5.00 | | | 4211.00 | 32.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4216.00 | |
| Stubb | 1.00 | | | 4217.00 | |
| Recorder | 0.00 | 8959 | Inside | 4217.00 | |
| Recorder | 0.00 | 8734 | Outside | 4217.00 | |
| Perforations | 19.00 | | | 4236.00 | |
| Change Over Sub | 1.00 | | | 4237.00 | |
| Drill Pipe | 32.00 | | | 4269.00 | |
| Change Over Sub | 1.00 | | | 4270.00 | |
| Bullnose | 3.00 | | | 4273.00 | 57.00 Bottom Packers & Anchor |

Total Tool Length: 89.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

15-11-32 Logan,KS

PO Box 8050
Edmond, OK 73083

Hockersmith'C' #15-1

Job Ticket: 76505

DST#: 3

ATTN: Kitt Noah

Test Start: 2021.03.07 @ 07:49:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------------|---------------|
| 10.00 | 100% Mud w /oil specks | 0.049 |

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

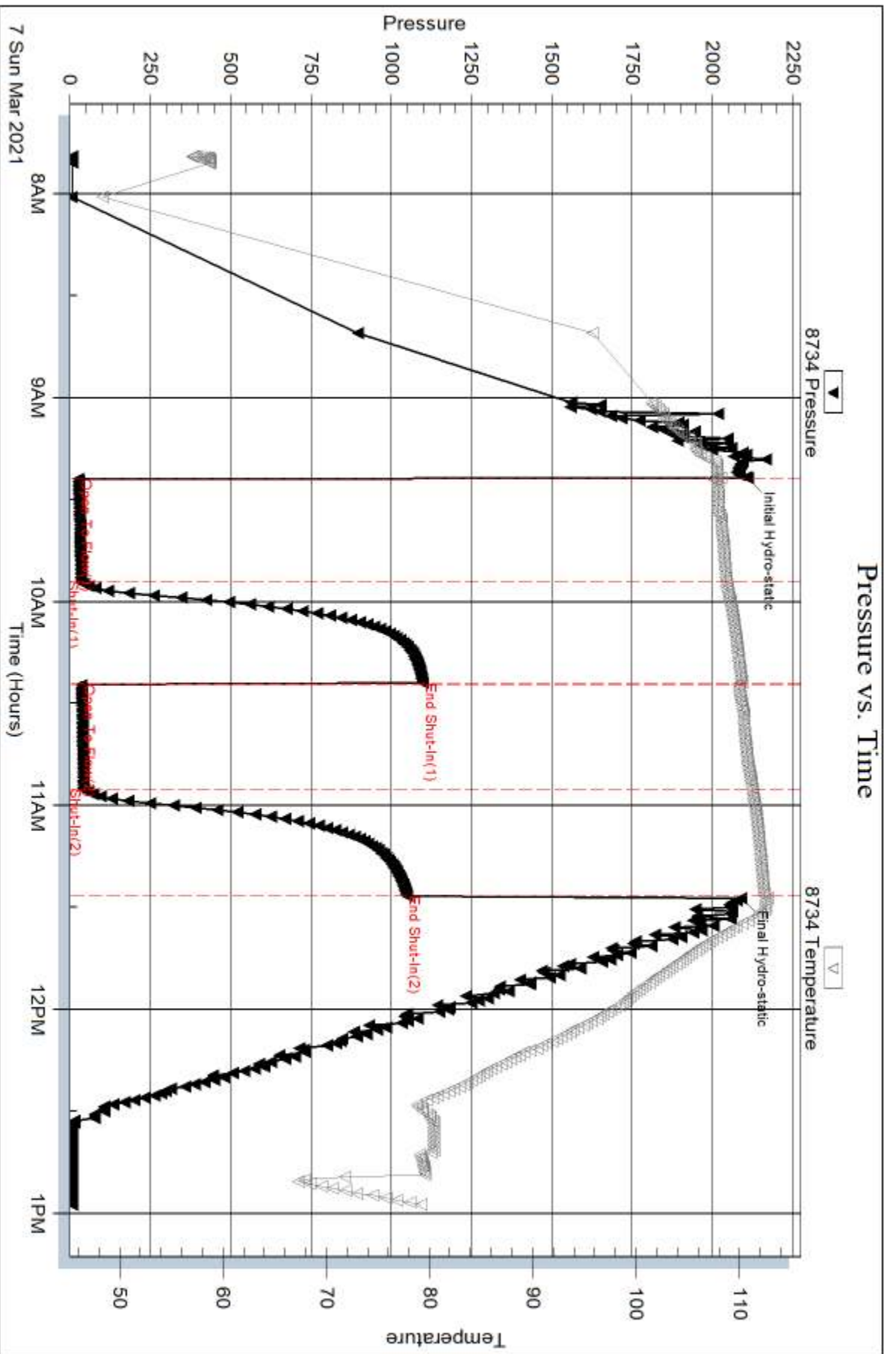
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8959

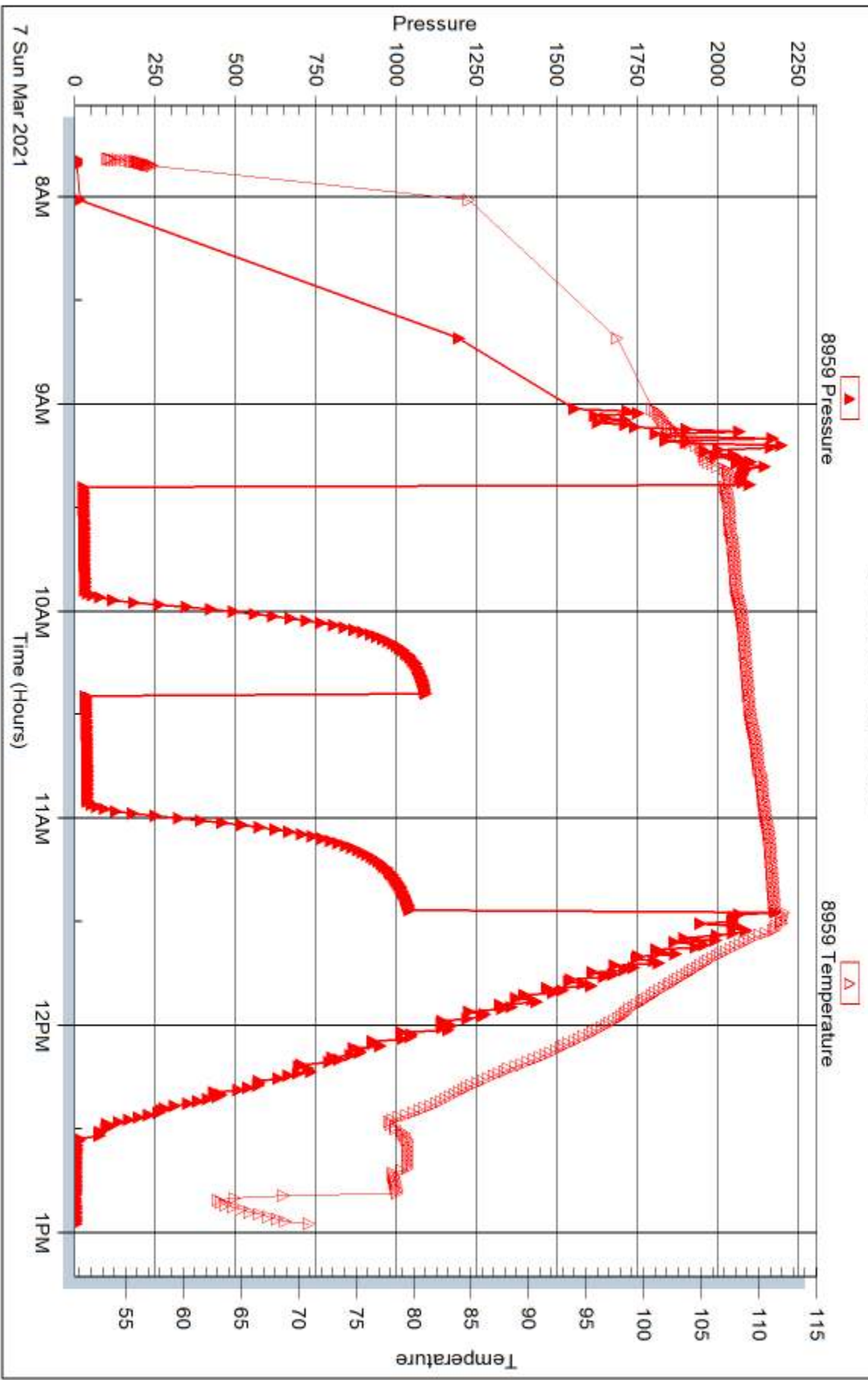
Inside

Russell Oil Inc

Hockersmith C #15-1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 76505

Printed: 2021.03.11 @ 15:28:25



DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**
PO Box 8050
Edmond, OK 73083

ATTN: Kitt Noah

Hockersmith'C' #15-1

15-11-32 Logan,KS

Start Date: 2021.03.07 @ 19:50:00

End Date: 2021.03.08 @ 01:27:50

Job Ticket #: 67506 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.03.11 @ 15:27:37

Russell Oil Inc
15-11-32 Logan,KS
Hockersmith'C' #15-1
DST # 4
LKC " K "
2021.03.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

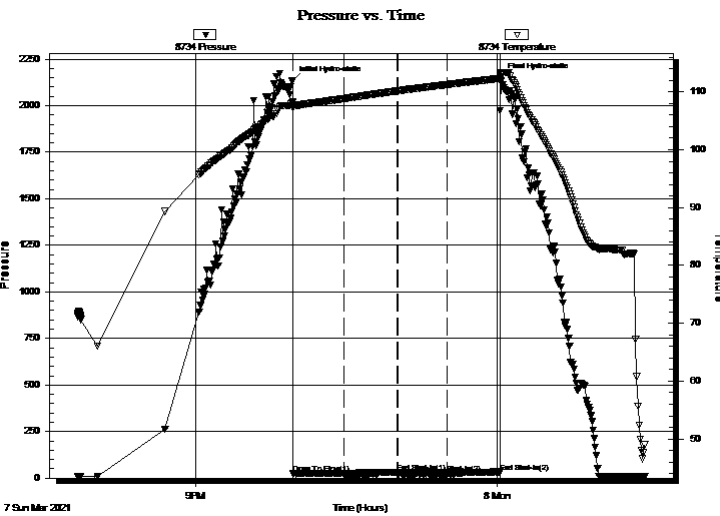
15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67506 **DST#: 4**
Test Start: 2021.03.07 @ 19:50:00

GENERAL INFORMATION:

Formation: **LKC " K "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:58:10
Time Test Ended: 01:27:50
Interval: **4269.00 ft (KB) To 4300.00 ft (KB) (TVD)**
Total Depth: 4300.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 82
Reference Elevations: 3056.00 ft (KB)
3051.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8734 Outside
Press@RunDepth: 27.54 psig @ 4270.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.03.07 End Date: 2021.03.08 Last Calib.: 2021.03.08
Start Time: 19:50:01 End Time: 01:27:50 Time On Btm: 2021.03.07 @ 21:58:00
Time Off Btm: 2021.03.08 @ 00:02:00

TEST COMMENT: 30-IF-Blow built to 1/4"
30-ISI-No blow back
30-FF-No blow
30-FSI-No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2135.88 | 108.23 | Initial Hydro-static |
| 1 | 26.49 | 107.17 | Open To Flow (1) |
| 31 | 27.29 | 108.82 | Shut-In(1) |
| 63 | 31.84 | 110.16 | End Shut-In(1) |
| 63 | 27.65 | 110.17 | Open To Flow (2) |
| 92 | 27.54 | 111.26 | Shut-In(2) |
| 124 | 33.73 | 112.30 | End Shut-In(2) |
| 124 | 2149.87 | 112.95 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 3.00 | 100% Mud | 0.01 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67506 **DST#: 4**
Test Start: 2021.03.07 @ 19:50:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4095.00 ft | Diameter: 3.80 inches | Volume: 57.44 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.75 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 176.00 ft | Diameter: 2.25 inches | Volume: 0.87 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 58.31 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 34.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4269.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 31.00 ft | | | |
| Tool Length: | 63.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|-----------------|-------|-------|---------|---------|-------------------------------|
| Change Over Sub | 1.00 | | | 4238.00 | |
| Shut In Tool | 5.00 | | | 4243.00 | |
| Hydraulic tool | 5.00 | 1113 | | 4248.00 | |
| Jars | 5.00 | 01-07 | | 4253.00 | |
| EM Tool | 4.00 | | | 4257.00 | |
| Safety Joint | 3.00 | -001 | | 4260.00 | |
| Packer | 5.00 | | | 4265.00 | 32.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4269.00 | |
| Stubb | 1.00 | | | 4270.00 | |
| Recorder | 0.00 | 8959 | Inside | 4270.00 | |
| Recorder | 0.00 | 8734 | Outside | 4270.00 | |
| Perforations | 27.00 | | | 4297.00 | |
| Bullnose | 3.00 | | | 4300.00 | 31.00 Bottom Packers & Anchor |

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

15-11-32 Logan,KS

PO Box 8050
Edmond, OK 73083

Hockersmith'C' #15-1

Job Ticket: 67506

DST#: 4

ATTN: Kitt Noah

Test Start: 2021.03.07 @ 19:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 3.00 | 100% Mud | 0.015 |

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

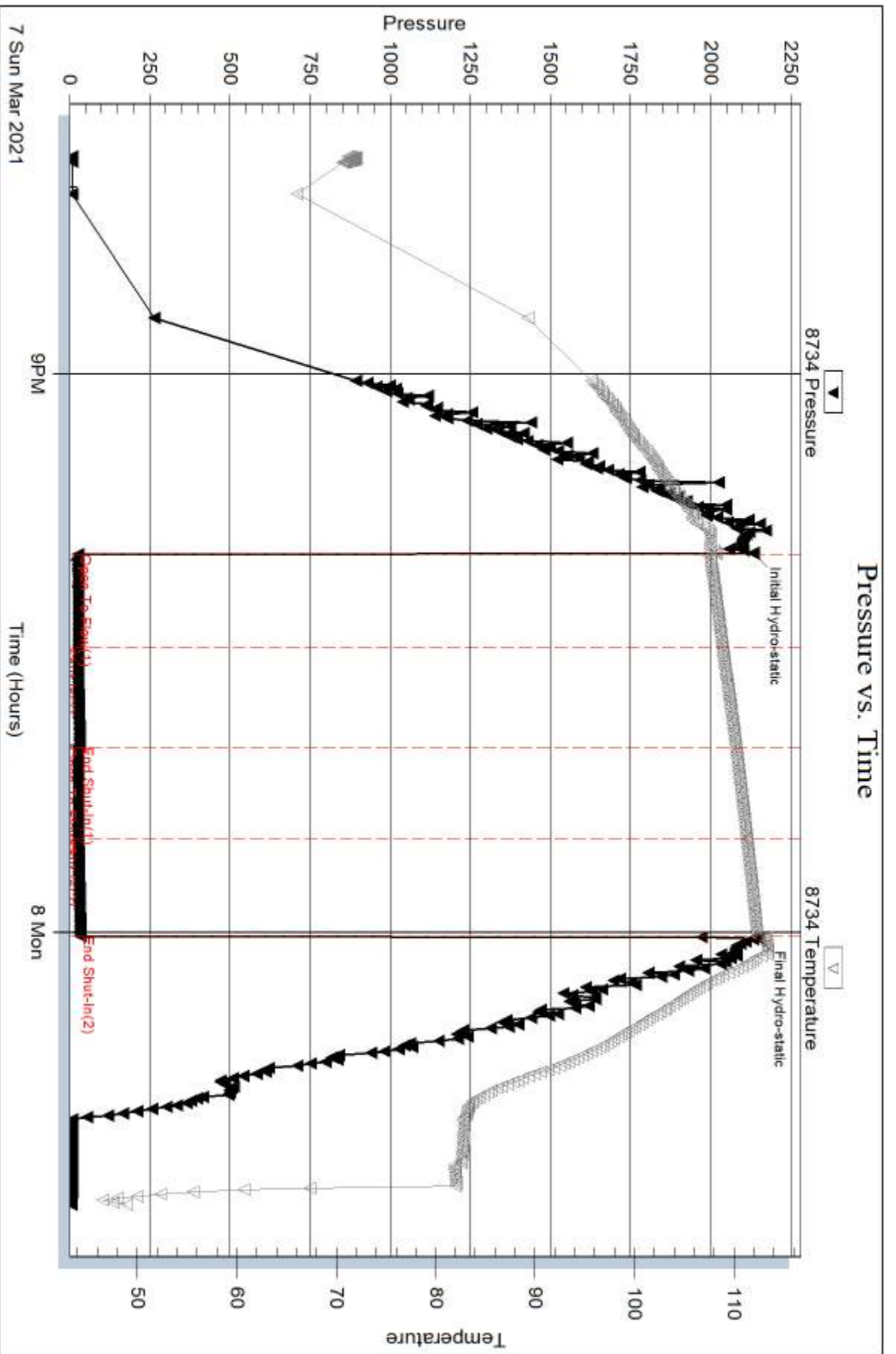
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



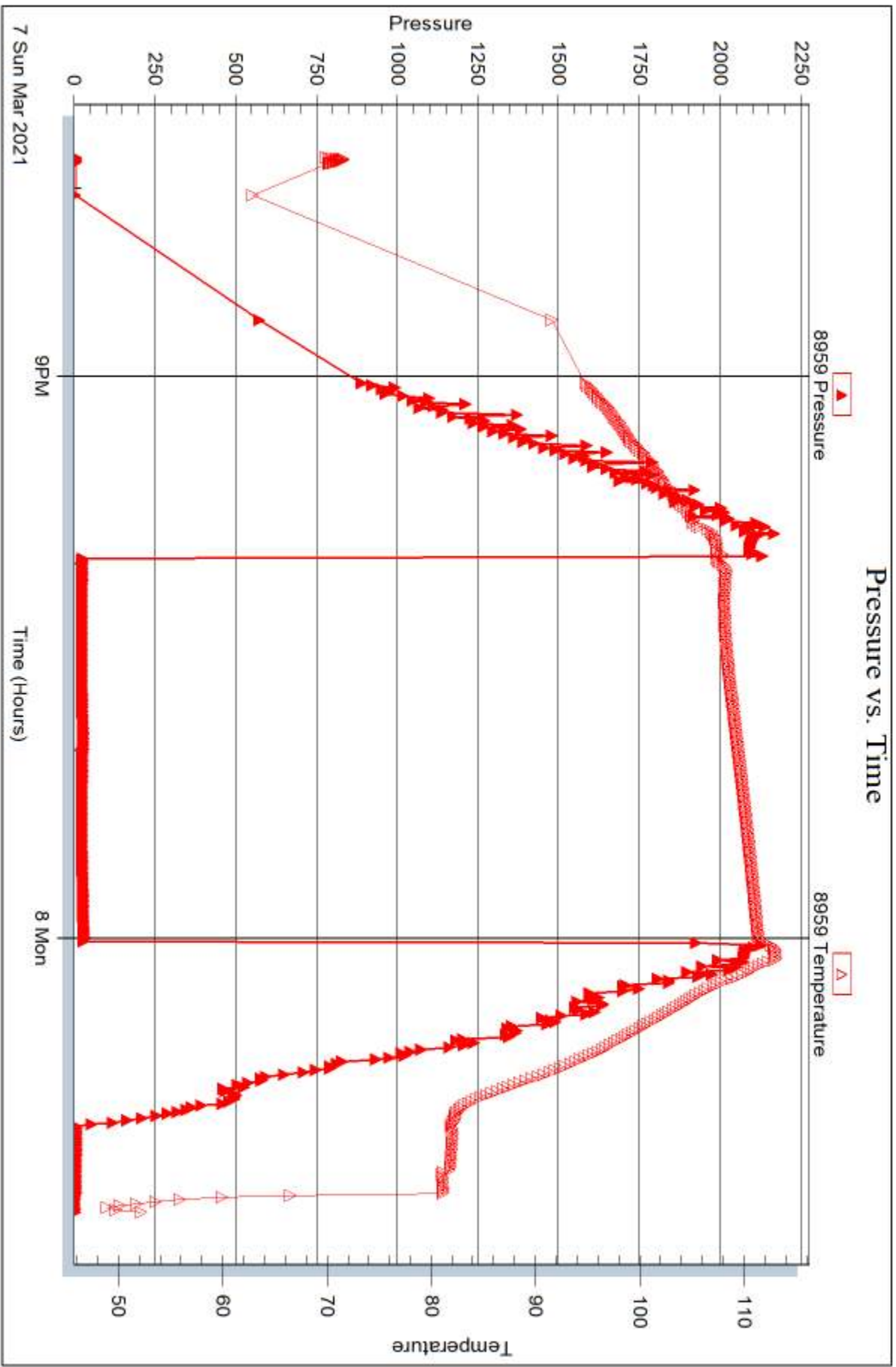
Serial #: 8959

Inside

Russell Oil Inc

Hockersmith C #15-1

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 67506

Printed: 2021.03.11 @ 15:27:38



DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**
PO Box 8050
Edmond, OK 73083

ATTN: Kitt Noah

Hockersmith'C' #15-1

15-11-32 Logan,KS

Start Date: 2021.03.08 @ 08:17:00

End Date: 2021.03.08 @ 15:05:30

Job Ticket #: 67507 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.03.11 @ 15:22:09

Russell Oil Inc
15-11-32 Logan,KS
Hockersmith'C' #15-1
DST # 5
LKC " L "
2021.03.08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil Inc
 PO Box 8050
 Edmond, OK 73083
 ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
 Job Ticket: 67507 **DST#: 5**
 Test Start: 2021.03.08 @ 08:17:00

GENERAL INFORMATION:

Formation: **LKC " L "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:55:00
 Time Test Ended: 15:05:30
 Interval: **4308.00 ft (KB) To 4330.00 ft (KB) (TVD)**
 Total Depth: 4330.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 3056.00 ft (KB)
 3051.00 ft (CF)
 KB to GR/CF: 5.00 ft

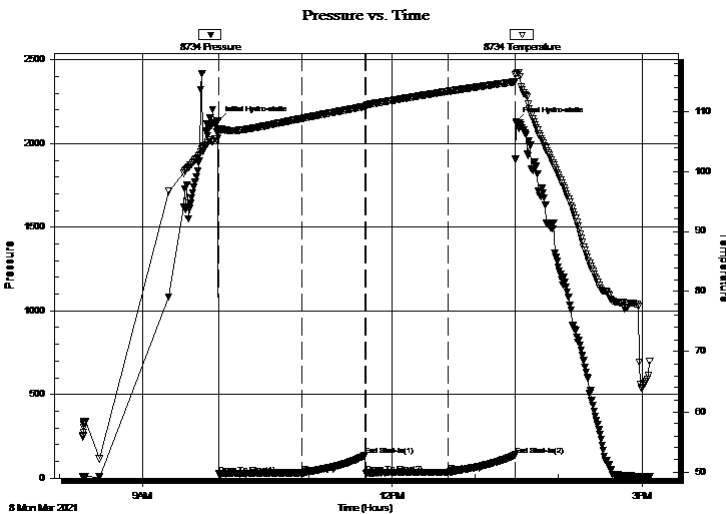
Serial #: 8734

Outside

Press@RunDepth: 34.29 psig @ 4309.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.08 End Date: 2021.03.08 Last Calib.: 2021.03.08
 Start Time: 08:17:01 End Time: 15:05:30 Time On Btm: 2021.03.08 @ 09:54:50
 Time Off Btm: 2021.03.08 @ 13:29:30

TEST COMMENT: 60-IF-Surface blow built to 3 1/4"
 45-ISI-No blow back
 60-FF-Surface blow built to 3"
 45-FSI-No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2136.37 | 107.06 | Initial Hydro-static |
| 1 | 24.94 | 106.04 | Open To Flow (1) |
| 60 | 29.27 | 108.78 | Shut-In(1) |
| 106 | 136.23 | 110.81 | End Shut-In(1) |
| 107 | 26.49 | 110.87 | Open To Flow (2) |
| 166 | 34.29 | 113.30 | Shut-In(2) |
| 214 | 139.66 | 114.90 | End Shut-In(2) |
| 215 | 2130.57 | 116.29 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 15.00 | HOCM 45%O, 55%M | 0.07 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67507 **DST#: 5**
Test Start: 2021.03.08 @ 08:17:00

GENERAL INFORMATION:

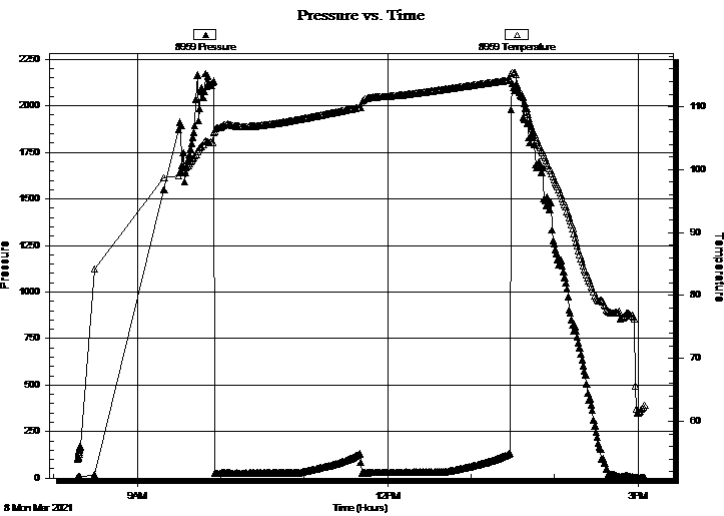
Formation: **LKC " L "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 09:55:00 Tester: Martine Salinas
Time Test Ended: 15:05:30 Unit No: 82
Interval: 4308.00 ft (KB) To 4330.00 ft (KB) (TVD) Reference Elevations: 3056.00 ft (KB)
Total Depth: 4330.00 ft (KB) (TVD) 3051.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8959

Inside

Press@RunDepth: psig @ 4309.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.03.08 End Date: 2021.03.08 Last Calib.: 2021.03.08
Start Time: 08:17:01 End Time: 15:05:20 Time On Btm:
Time Off Btm:

TEST COMMENT: 60-IF-Surface blow built to 3 1/4"
45-ISI-No blow back
60-FF-Surface blow built to 3"
45-FSI-No blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 15.00 | HOCM 45%O, 55%M | 0.07 |
| | | |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67507 **DST#: 5**
Test Start: 2021.03.08 @ 08:17:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4127.00 ft | Diameter: 3.80 inches | Volume: 57.89 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.75 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 176.00 ft | Diameter: 2.25 inches | Volume: 0.87 bbl | Weight to Pull Loose: 65000.00 lb |
| | | | <u>Total Volume: 58.76 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 27.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4308.00 ft | | | Final 61000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 22.00 ft | | | |
| Tool Length: | 54.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|-----------------|-------|-------|---------|---------|-------------------------------|
| Change Over Sub | 1.00 | | | 4277.00 | |
| Shut In Tool | 5.00 | | | 4282.00 | |
| Hydraulic tool | 5.00 | 1113 | | 4287.00 | |
| Jars | 5.00 | 01-07 | | 4292.00 | |
| EM Tool | 4.00 | | | 4296.00 | |
| Safety Joint | 3.00 | -001 | | 4299.00 | |
| Packer | 5.00 | | | 4304.00 | 32.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4308.00 | |
| Stubb | 1.00 | | | 4309.00 | |
| Recorder | 0.00 | 8959 | Inside | 4309.00 | |
| Recorder | 0.00 | 8734 | Outside | 4309.00 | |
| Perforations | 18.00 | | | 4327.00 | |
| Bullnose | 3.00 | | | 4330.00 | 22.00 Bottom Packers & Anchor |

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

15-11-32 Logan,KS

PO Box 8050
Edmond, OK 73083

Hockersmith'C' #15-1

Job Ticket: 67507

DST#: 5

ATTN: Kitt Noah

Test Start: 2021.03.08 @ 08:17:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------|---------------|
| 15.00 | HOCM 45%O, 55%M | 0.074 |

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

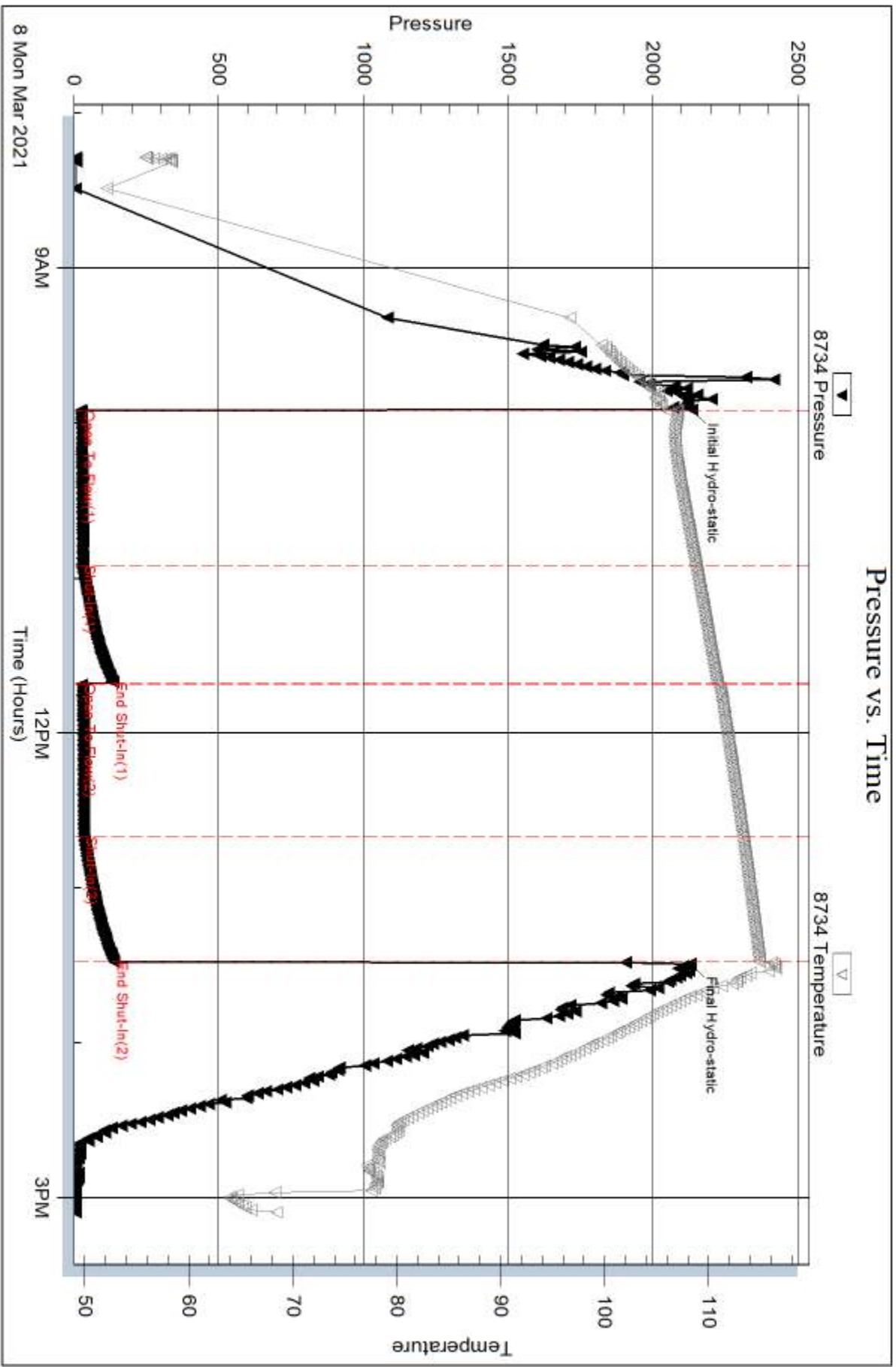
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Not enough fluid to catch gravity



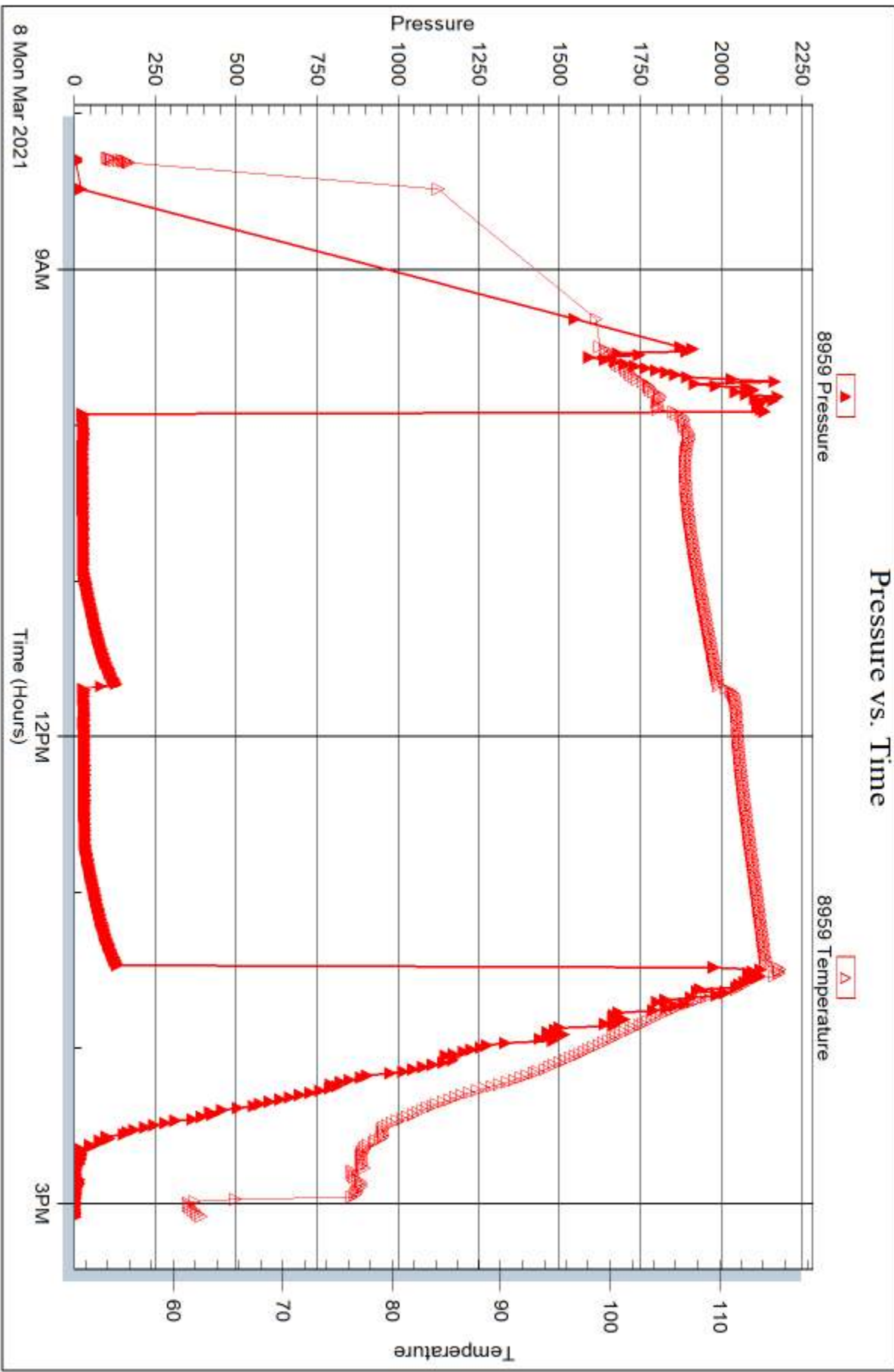
Serial #: 8959

Inside

Russell Oil Inc

Hockersmith C #15-1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 67507

Printed: 2021.03.11 @ 15:22:10



DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**
PO Box 8050
Edmond, OK 73083

ATTN: Kitt Noah

Hockersmith'C' #15-1

15-11-32 Logan,KS

Start Date: 2021.03.08 @ 23:20:00

End Date: 2021.03.09 @ 05:45:50

Job Ticket #: 67508 DST #: 6

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.03.11 @ 15:04:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

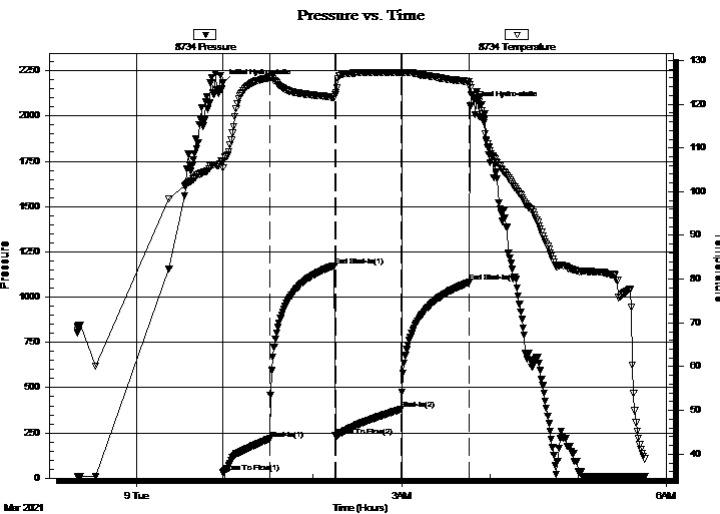
15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67508 **DST#: 6**
Test Start: 2021.03.08 @ 23:20:00

GENERAL INFORMATION:

Formation: **Lenapah**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:58:50
Time Test Ended: 05:45:50
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 82
Interval: **4330.00 ft (KB) To 4366.00 ft (KB) (TVD)**
Reference Elevations: 3056.00 ft (KB)
Total Depth: 4366.00 ft (KB) (TVD) 3051.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8734 Outside
Press@RunDepth: 380.20 psig @ 4331.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.03.08 End Date: 2021.03.09 Last Calib.: 2021.03.09
Start Time: 23:20:01 End Time: 05:45:50 Time On Btm: 2021.03.09 @ 00:58:40
Time Off Btm: 2021.03.09 @ 03:46:39

TEST COMMENT: 30-IF-1/2" blow built to B.O.B (11 inches) @ 12 mins (blow increased to 27 3/4")
45-ISI-Return blow built to 1/2" @ 19 mins and maintained blow
45-FF-B.O.B (11 inches) @ 12 mins (blow increased to 34")
45-FSI-Return blow built to 1 1/4"



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2180.45 | 106.74 | Initial Hydro-static |
| 1 | 30.89 | 105.46 | Open To Flow (1) |
| 32 | 216.77 | 126.07 | Shut-In(1) |
| 76 | 1173.56 | 121.59 | End Shut-In(1) |
| 77 | 232.71 | 122.61 | Open To Flow (2) |
| 122 | 380.20 | 127.19 | Shut-In(2) |
| 168 | 1081.74 | 125.19 | End Shut-In(2) |
| 168 | 2058.51 | 124.55 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------|--------------|
| 300.00 | SMCW OIL Trace 7%M, 97%W | 2.60 |
| 510.00 | GSOMW 8%G,3%O,40%M,49%W | 7.15 |
| 10.00 | CGO 5%G, 95%O | 0.14 |
| 0.00 | 120' GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan, KS
Hockersmith' C' #15-1
Job Ticket: 67508 **DST#: 6**
Test Start: 2021.03.08 @ 23:20:00

GENERAL INFORMATION:

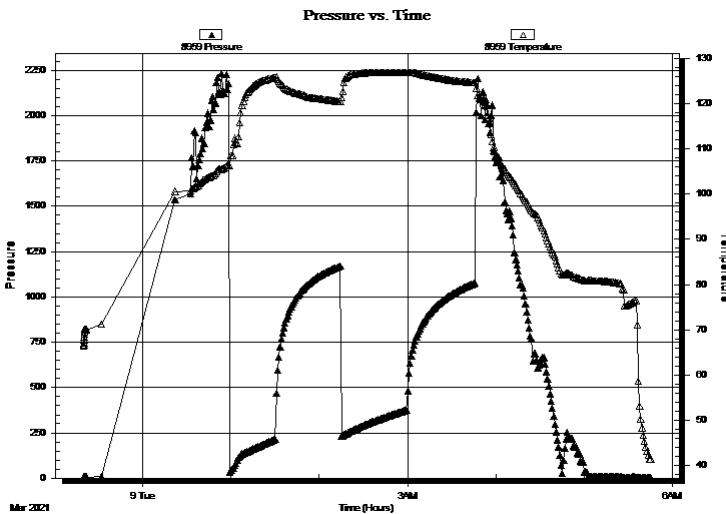
| | |
|---|---|
| Formation: Lenapah | Test Type: Conventional Bottom Hole (Reset) |
| Deviated: No Whipstock: ft (KB) | Tester: Martine Salinas |
| Time Tool Opened: 00:58:50 | Unit No: 82 |
| Time Test Ended: 05:45:50 | Reference Elevations: 3056.00 ft (KB) |
| Interval: 4330.00 ft (KB) To 4366.00 ft (KB) (TVD) | 3051.00 ft (CF) |
| Total Depth: 4366.00 ft (KB) (TVD) | KB to GR/CF: 5.00 ft |
| Hole Diameter: 7.88 inches Hole Condition: Good | |

Serial #: 8959

Inside

| | |
|--|-------------------------|
| Press@RunDepth: psig @ 4331.00 ft (KB) | Capacity: 8000.00 psig |
| Start Date: 2021.03.08 | End Date: 2021.03.09 |
| Start Time: 23:20:01 | End Time: 05:45:50 |
| | Last Calib.: 2021.03.09 |
| | Time On Btm: |
| | Time Off Btm: |

TEST COMMENT: 30-IF-1/2" blow built to B.O.B (11 inches) @ 12 mins (blow increased to 27 3/4")
45-ISI-Return blow built to 1/2" @ 19 mins and maintained blow
45-FF-B.O.B (11 inches) @ 12 mins (blow increased to 34")
45-FSI-Return blow built to 1 1/4"



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------------|--------------|
| 300.00 | SMCW OIL Trace 7%M, 97%W | 2.60 |
| 510.00 | GSOMW 8%G, 3%O, 40%M, 49%W | 7.15 |
| 10.00 | CGO 5%G, 95%O | 0.14 |
| 0.00 | 120' GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc

15-11-32 Logan,KS

PO Box 8050
Edmond, OK 73083

Hockersmith'C' #15-1

Job Ticket: 67508

DST#: 6

ATTN: Kitt Noah

Test Start: 2021.03.08 @ 23:20:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4127.00 ft | Diameter: 3.80 inches | Volume: 57.89 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.75 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 176.00 ft | Diameter: 2.25 inches | Volume: 0.87 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 58.76 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 5.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4330.00 ft | | | Final 62000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 36.00 ft | | | |
| Tool Length: | 68.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4299.00 | |
| Shut In Tool | 5.00 | | | 4304.00 | |
| Hydraulic tool | 5.00 | 1113 | | 4309.00 | |
| Jars | 5.00 | 01-07 | | 4314.00 | |
| EM Tool | 4.00 | | | 4318.00 | |
| Safety Joint | 3.00 | -001 | | 4321.00 | |
| Packer | 5.00 | | | 4326.00 | 32.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4330.00 | |
| Stubb | 1.00 | | | 4331.00 | |
| Recorder | 0.00 | 8959 | Inside | 4331.00 | |
| Recorder | 0.00 | 8734 | Outside | 4331.00 | |
| Perforations | 32.00 | | | 4363.00 | |
| Bullnose | 3.00 | | | 4366.00 | 36.00 Bottom Packers & Anchor |

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

15-11-32 Logan,KS

PO Box 8050
Edmond, OK 73083

Hockersmith'C' #15-1

Job Ticket: 67508

DST#: 6

ATTN: Kitt Noah

Test Start: 2021.03.08 @ 23:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

7000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------------|---------------|
| 300.00 | SMCW OIL Trace 7%M, 97%W | 2.605 |
| 510.00 | GSOMW 8%G,3%O,40%M,49%W | 7.154 |
| 10.00 | CGO 5%G, 95%O | 0.140 |
| 0.00 | 120' GIP | 0.000 |

Total Length: 820.00 ft Total Volume: 9.899 bbl

Num Fluid Samples: 0

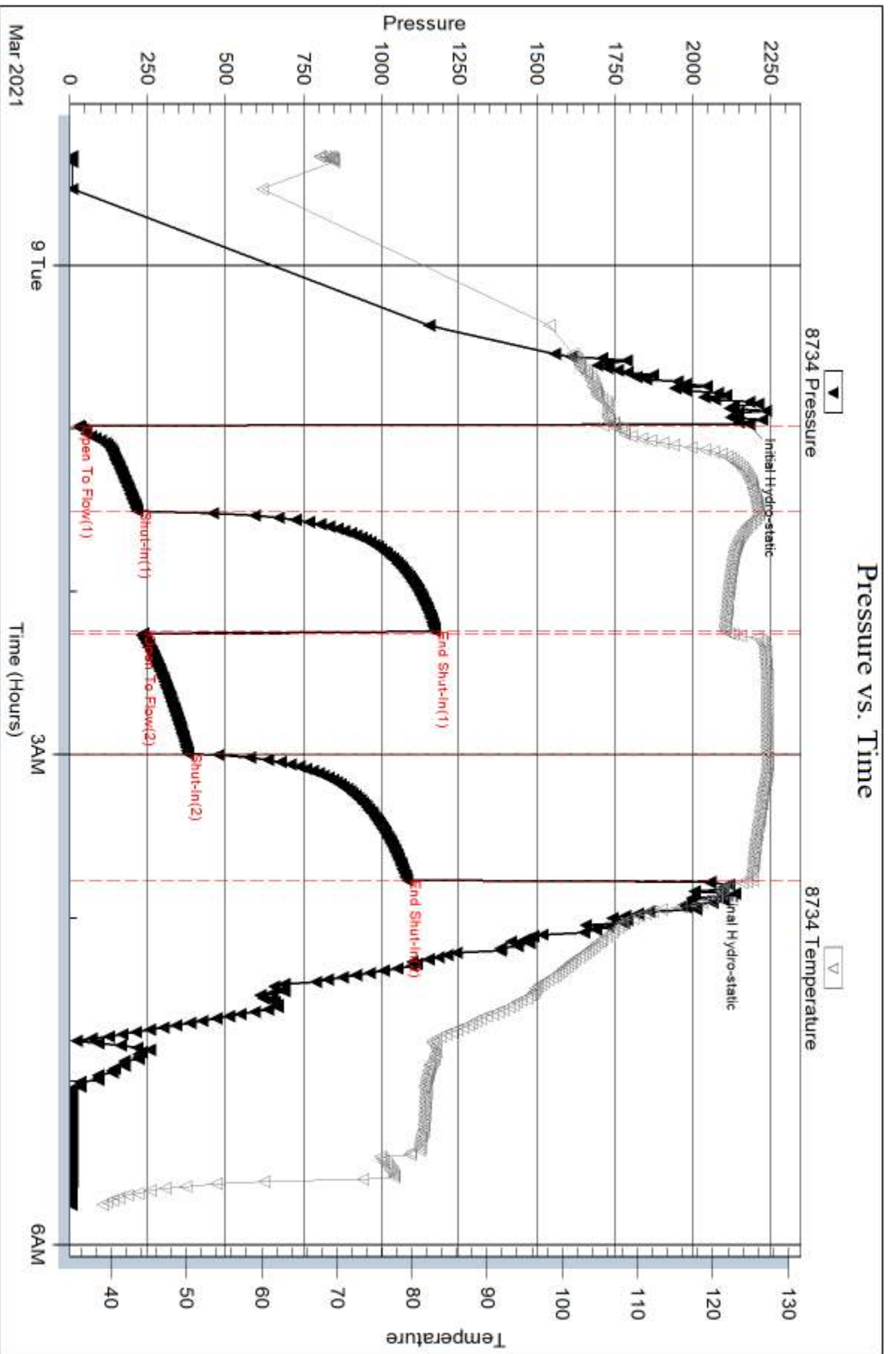
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil =38 @ 46 degs corrected to 39.4 @ 60
RW= 1.65 @ 39.2 = 7,000 PPM



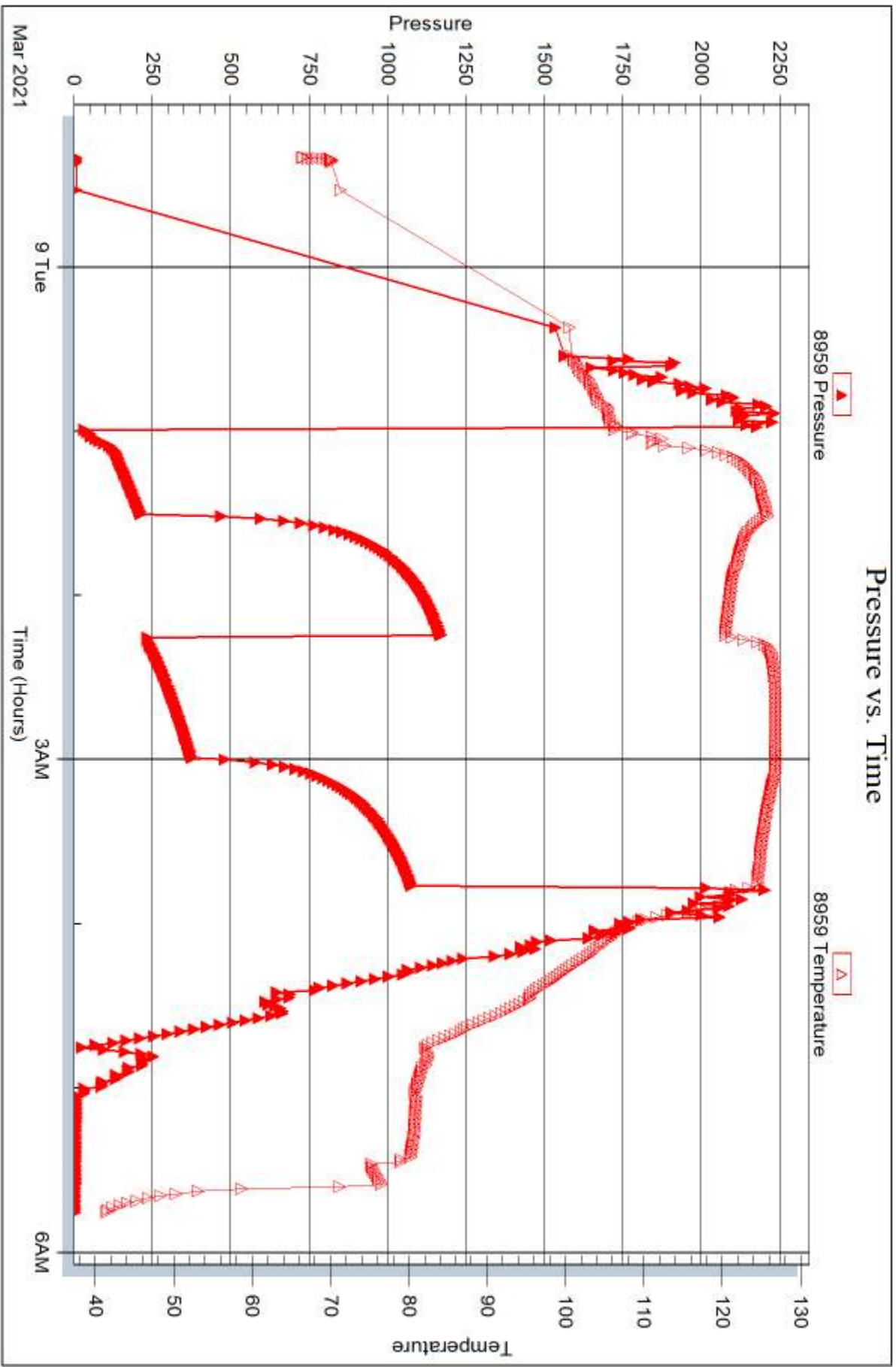
Serial #: 8959

Inside

Russell Oil Inc

Hockersmith C #15-1

DST Test Number: 6





DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc**
PO Box 8050
Edmond, OK 73083

ATTN: Kitt Noah

Hockersmith'C' #15-1

15-11-32 Logan,KS

Start Date: 2021.03.10 @ 02:35:00

End Date: 2021.03.10 @ 08:15:39

Job Ticket #: 67509 DST #: 7

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.03.11 @ 15:03:41



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil Inc
 PO Box 8050
 Edmond, OK 73083
 ATTN: Kitt Noah

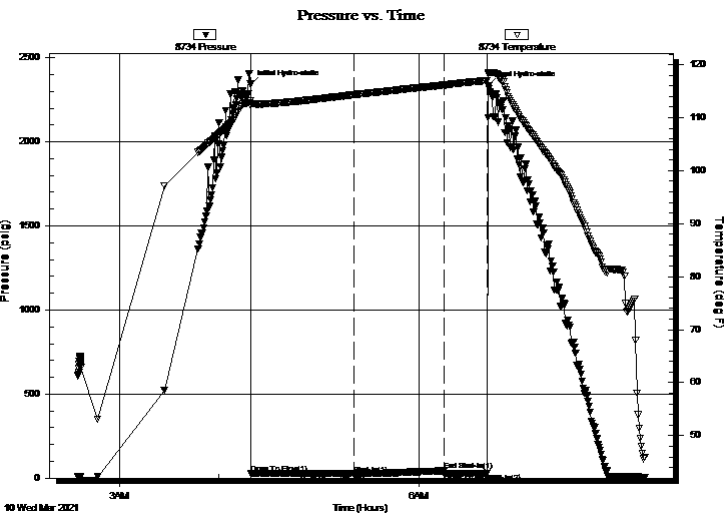
15-11-32 Logan,KS
Hockersmith'C' #15-1
 Job Ticket: 67509 **DST#: 7**
 Test Start: 2021.03.10 @ 02:35:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 04:18:50 Tester: Martine Salinas
 Time Test Ended: 08:15:39 Unit No: 82
 Interval: **4575.00 ft (KB) To 4614.00 ft (KB) (TVD)** Reference Elevations: 3056.00 ft (KB)
 Total Depth: 4614.00 ft (KB) (TVD) 3051.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 25.33 psig @ 4576.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.10 End Date: 2021.03.10 Last Calib.: 2021.03.10
 Start Time: 02:35:01 End Time: 08:15:40 Time On Btm: 2021.03.10 @ 04:18:40
 Time Off Btm: 2021.03.10 @ 06:41:40

TEST COMMENT: 60-IF-Surface.blow built to 3/4" & decreased to surface bubbles
 45-ISI-No blow back
 30-FF-No blow , Pull Tool



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2341.82 | 113.21 | Initial Hydro-static |
| 1 | 26.65 | 112.25 | Open To Flow (1) |
| 63 | 25.33 | 114.33 | Shut-In(1) |
| 116 | 44.13 | 116.13 | End Shut-In(1) |
| 117 | 25.72 | 116.13 | Open To Flow (2) |
| 142 | 27.37 | 117.00 | Shut-In(2) |
| 143 | 2331.25 | 118.44 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 5.00 | OCM 5%O, 95% M | 0.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil Inc
 PO Box 8050
 Edmond, OK 73083
 ATTN: Kitt Noah

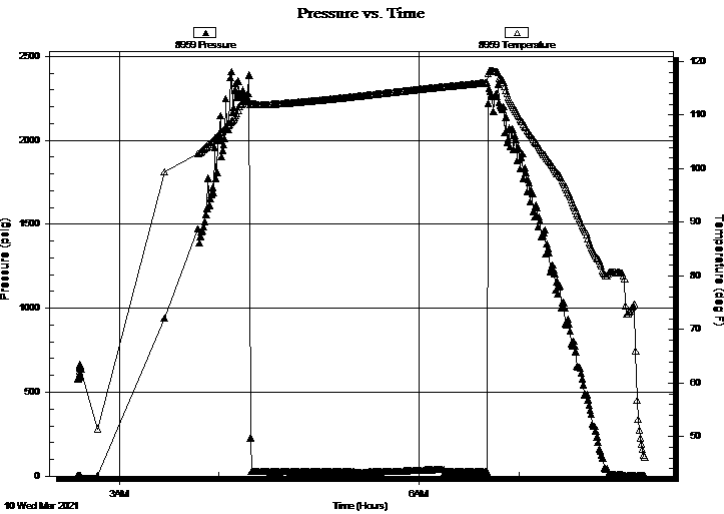
15-11-32 Logan, KS
Hockersmith 'C' #15-1
 Job Ticket: 67509 **DST#: 7**
 Test Start: 2021.03.10 @ 02:35:00

GENERAL INFORMATION:

| | | |
|---|----------------------|---|
| Formation: Johnson | | |
| Deviated: No Whipstock: | ft (KB) | Test Type: Conventional Bottom Hole (Reset) |
| Time Tool Opened: 04:18:50 | | Tester: Martine Salinas |
| Time Test Ended: 08:15:39 | | Unit No: 82 |
| Interval: 4575.00 ft (KB) To 4614.00 ft (KB) (TVD) | | Reference Elevations: 3056.00 ft (KB) |
| Total Depth: 4614.00 ft (KB) (TVD) | | 3051.00 ft (CF) |
| Hole Diameter: 7.88 inches | Hole Condition: Good | KB to GR/CF: 5.00 ft |

| | | | | |
|-----------------------|---------------|-----------------|------------|---------------|
| Serial #: 8959 | Inside | | | |
| Press@RunDepth: | psig @ | 4576.00 ft (KB) | Capacity: | 8000.00 psig |
| Start Date: | 2021.03.10 | End Date: | 2021.03.10 | Last Calib.: |
| Start Time: | 02:35:01 | End Time: | 08:15:30 | Time On Btm: |
| | | | | Time Off Btm: |

TEST COMMENT: 60-IF-Surface.blow built to 3/4" & decreased to surface bubbles
 45-ISI-No blow back
 30-FF-No blow , Pull Tool



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 5.00 | OCM 5%O, 95% M | 0.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Russell Oil Inc
PO Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

15-11-32 Logan,KS
Hockersmith'C' #15-1
Job Ticket: 67509 **DST#: 7**
Test Start: 2021.03.10 @ 02:35:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4381.00 ft | Diameter: 3.80 inches | Volume: 61.45 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.75 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 176.00 ft | Diameter: 2.25 inches | Volume: 0.87 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 62.32 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 14.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4575.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 39.00 ft | | | |
| Tool Length: | 71.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4544.00 | |
| Shut In Tool | 5.00 | | | 4549.00 | |
| Hydraulic tool | 5.00 | 1113 | | 4554.00 | |
| Jars | 5.00 | 01-07 | | 4559.00 | |
| EM Tool | 4.00 | | | 4563.00 | |
| Safety Joint | 3.00 | -001 | | 4566.00 | |
| Packer | 5.00 | | | 4571.00 | 32.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4575.00 | |
| Stubb | 1.00 | | | 4576.00 | |
| Recorder | 0.00 | 8959 | Inside | 4576.00 | |
| Recorder | 0.00 | 8734 | Outside | 4576.00 | |
| Perforations | 35.00 | | | 4611.00 | |
| Bullnose | 3.00 | | | 4614.00 | 39.00 Bottom Packers & Anchor |

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc

15-11-32 Logan,KS

PO Box 8050
Edmond, OK 73083

Hockersmith'C' #15-1

Job Ticket: 67509

DST#: 7

ATTN: Kitt Noah

Test Start: 2021.03.10 @ 02:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 5.00 | OCM 5%O, 95% M | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

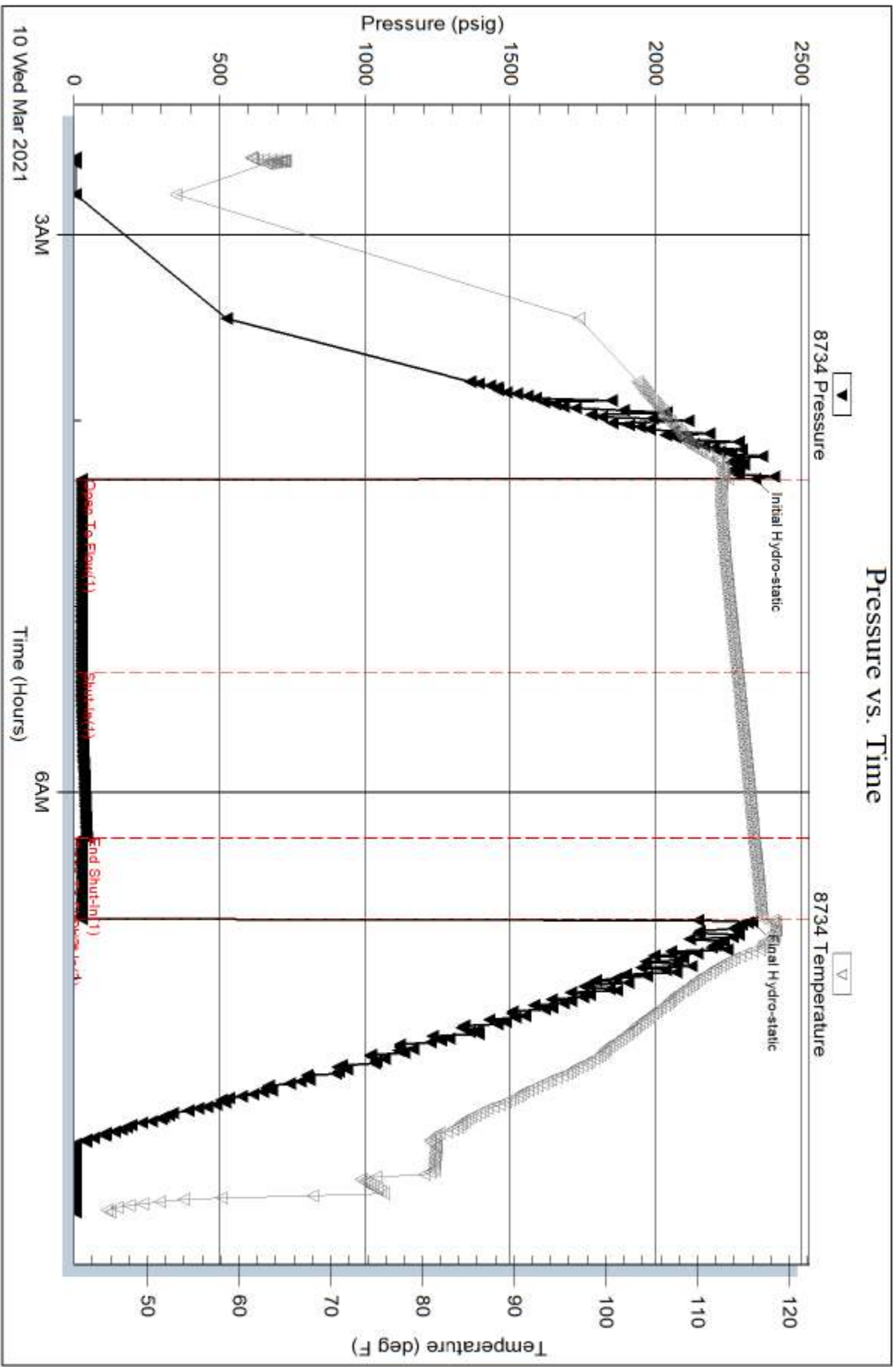
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



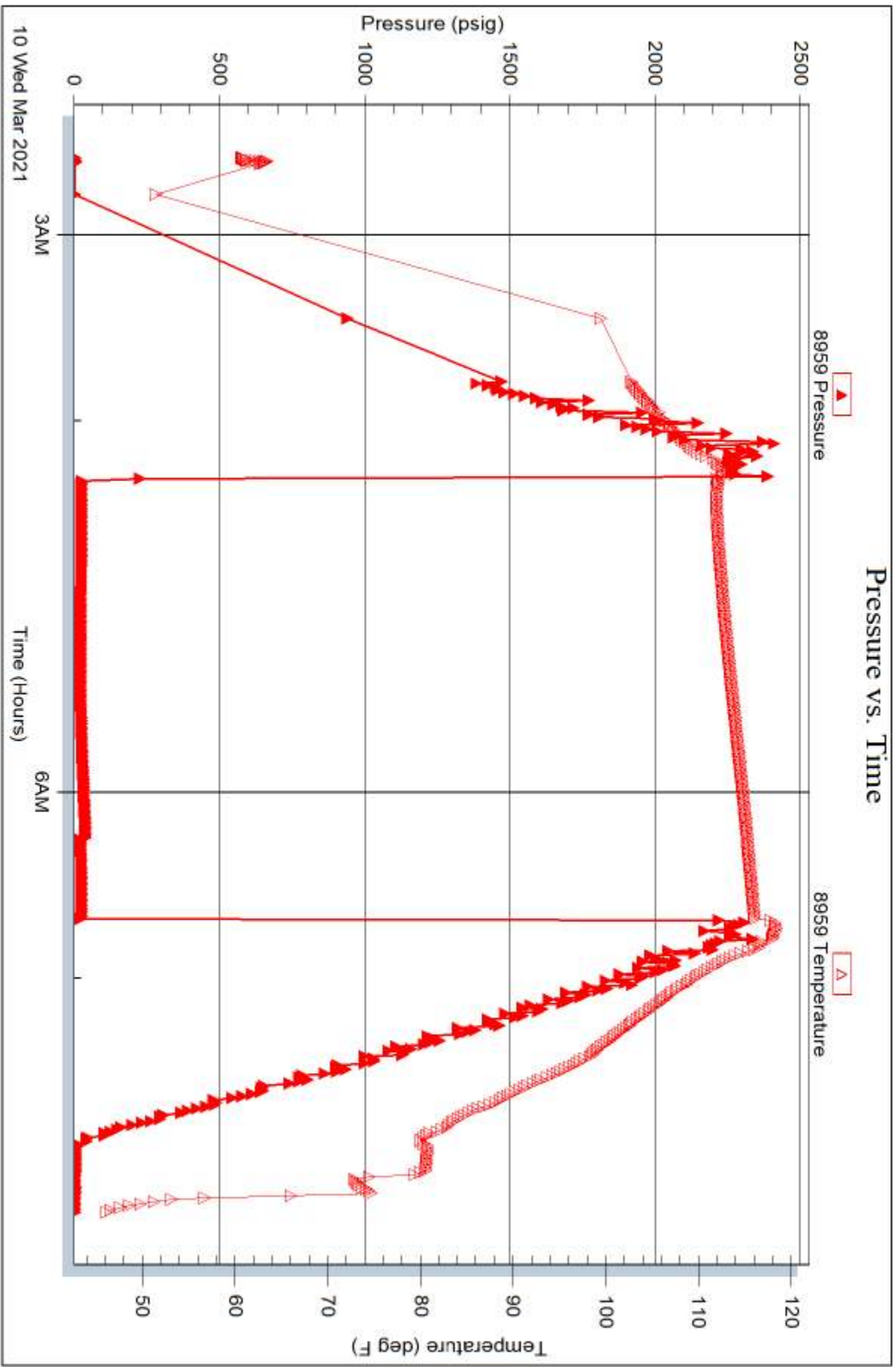
Serial #: 8959

Inside

Russell Oil Inc

Hockersmith C #15-1

DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 67509

Printed: 2021.03.11 @ 15:03:42



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67503**

Well Name & No. Hockersmith 'C' #15-1 Test No. 1 Date 3-5-21
 Company Russell Oil Inc. Elevation 3056 KB 3051 GL
 Address P.O. Box 8050 Edward, OK 73083
 Co. Rep / Geo. Kitt Noah Rig Murfin #110
 Location: Sec. 15 Twp 11 Rge. 32 Co. Logan State KS.

Interval Tested 4118 - 4152. Zone Tested Lansing "E-F"
 Anchor Length 34' Drill Pipe Run 3936. Mud Wt. 9.1
 Top Packer Depth 4113 Drill Collars Run 176 Vis 52
 Bottom Packer Depth 4118 Wt. Pipe Run — WL 6.8
 Total Depth 4152 Chlorides 1500 ppm System LCM 2#
 Blow Description IF-S. blow built to 10' 1/4"
ISI - No blowback
FF-S. blow built to 6' 1/2"
FSS - No blowback

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------|------|-----------|-----------|------|
| <u>300</u> | <u>Mcu</u> | | <u>80</u> | <u>20</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 300 BHT 118 Gravity — API RW 45 @ 38.0 °F Chlorides 30,000 ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2024</u> | <input checked="" type="checkbox"/> Test <u>1300</u> | T-On Location <u>22:30</u> |
| (B) First Initial Flow <u>30</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>00:05</u> |
| (C) First Final Flow <u>124</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>01:57</u> |
| (D) Initial Shut-In <u>976</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>04:57</u> |
| (E) Second Initial Flow <u>127</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>06:38</u> |
| (F) Second Final Flow <u>162</u> | <input checked="" type="checkbox"/> Mileage <u>100 RT</u> 100 | Comments |
| (G) Final Shut-In <u>912</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2002</u> | <input type="checkbox"/> Straddle | <input checked="" type="checkbox"/> EM Tool <u>350</u> |
| Initial Open <u>45</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>45</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Ruined Packer |
| Final Flow <u>45</u> | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| Final Shut-In <u>45</u> | <input type="checkbox"/> Day Standby | Sub Total <u>0</u> |
| | <input type="checkbox"/> Accessibility | Total <u>1725</u> |
| | Sub Total <u>1725</u> | MP/DST Disc't |

Approved By Kitt Noah Our Representative Robert Miller

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67504

Well Name & No. Hockersmith 'C' #15-1 Test No. 2 Date 3-6-21
 Company Russell Oil Inc. Elevation 3056 KB 3051 GL
 Address P.O. Box 8050 Edmond, OK 73083
 Co. Rep / Geo. Kitt Noah. Rig Murfin #110
 Location: Sec. 15 Twp 11 Rge. 32 Co. Logan State KS.

Interval Tested 4180-4214 Zone Tested LKC "H"
 Anchor Length 34' Drill Pipe Run 4000 Mud Wt. 9.2
 Top Packer Depth 4175 Drill Collars Run 176 Vis 54
 Bottom Packer Depth 4180 Wt. Pipe Run — WL 7.2
 Total Depth 4214 Chlorides 2200 ppm System LCM 1#

Blow Description IF - Strong surface blow dead @ 27 mins.
ISI - No blowback
FF - No blow
FST - No blowback

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|----------|------|-----------|------|
| <u>5</u> | <u>OSM</u> | <u>3</u> | | <u>97</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 5 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

- (A) Initial Hydrostatic 2061
- (B) First Initial Flow 26
- (C) First Final Flow 26
- (D) Initial Shut-In 125
- (E) Second Initial Flow 26
- (F) Second Final Flow 27
- (G) Final Shut-In 74
- (H) Final Hydrostatic 2083

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

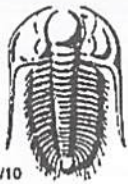
- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 100 RT 100
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1725

T-On Location 14:45
 T-Started 15:00
 T-Open 17:09
 T-Pulled 19:09
 T-Out 21:17
 Comments _____
 EM Tool 350
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1725
 MP/DST Disc't _____

Approved By Kitt Noah

Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or destroyed property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67505

Well Name & No. Hockersmith 'C' #15-1 Test No. 3 Date 3-7-21
 Company Russell Oil Inc. Elevation 3056 KB 3051 GL
 Address P.O. Box 8050 Edmond, OK 73083
 Co. Rep / Geo. Kitt Noah Rig Murfin #110
 Location: Sec. 15 Twp 11 Rge. 32 Co. Logan State OK

Interval Tested 4216-4273 Zone Tested LKC "I-5"
 Anchor Length 57' Drill Pipe Run 4631 Mud Wt. 9.3
 Top Packer Depth 4211 Drill Collars Run 176 Vis 50
 Bottom Packer Depth 4216 Wt. Pipe Run — WL 8.0
 Total Depth 4273 Chlorides 2500 ppm System LCM 1#

Blow Description IF - S. blow built to 1"
ISI - No blowback
FF - No blow
FSE - No blowback

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|-------------------------|------|------|------------|------|
| <u>10</u> | <u>Mud w/oil specks</u> | | | <u>100</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 10 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2110</u> | <input checked="" type="checkbox"/> Test <u>1300</u> | T-On Location <u>07:30</u> |
| (B) First Initial Flow <u>27</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>07:49</u> |
| (C) First Final Flow <u>35</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>09:24</u> |
| (D) Initial Shut-In <u>1097</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>11:24</u> |
| (E) Second Initial Flow <u>37</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>12:57</u> |
| (F) Second Final Flow <u>42</u> | <input checked="" type="checkbox"/> Mileage <u>100 RT</u> 100 | Comments |
| (G) Final Shut-In <u>1048</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2090</u> | <input type="checkbox"/> Straddle | <input checked="" type="checkbox"/> EM Tool <u>350</u> |
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Ruined Packer |
| Final Flow <u>30</u> | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Day Standby | Sub Total <u>0</u> |
| | <input type="checkbox"/> Accessibility | Total <u>1725</u> |
| | Sub Total <u>1725</u> | MP/DST Disc't |

Approved By Kitt Noah Our Representative Matt [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67506

Well Name & No. Hockersmith 'C' #15-1 Test No. 4 Date 3-7-21
 Company Russell Oil Inc. Elevation 3056 KB 3051 GL
 Address P.O. Box 8050 Edmond, OK 73083
 Co. Rep / Geo. Kitt Noah Rig Murfin #110
 Location: Sec. 15 Twp 11 Rge. 32 Co. Logan State KS

Interval Tested 4269 - 4300 Zone Tested LKC "K"
 Anchor Length 31' Drill Pipe Run 4095 Mud Wt. 9.1
 Top Packer Depth 4264 Drill Collars Run 176 Vis 53
 Bottom Packer Depth 4269 Wt. Pipe Run — WL 8.0
 Total Depth 4300 Chlorides 2500 ppm System LCM 2#

Blow Description IE - blow built to 1/4"
ISI - No blowback
FF - No blow
FSS - No blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|------|------|------------|------|
| <u>3</u> | <u>Mud</u> | | | <u>100</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 3 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2136</u> | <input checked="" type="checkbox"/> Test <u>1300</u> | T-On Location <u>19:30</u> |
| (B) First Initial Flow <u>26</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>19:50</u> |
| (C) First Final Flow <u>27</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>21:59</u> |
| (D) Initial Shut-In <u>32</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>22:59</u> |
| (E) Second Initial Flow <u>28</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>01:28</u> |
| (F) Second Final Flow <u>28</u> | <input checked="" type="checkbox"/> Mileage <u>100 RT</u> 100 | Comments |
| (G) Final Shut-In <u>34</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2150</u> | <input type="checkbox"/> Straddle | <input checked="" type="checkbox"/> EM Tool <u>350</u> |

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1725
 MP/DST Disc't

Approved By [Signature] Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67507**

Well Name & No. Hockersmith 'C' #15-1 Test No. 5 Date 3-8-21
 Company Russell Oil Inc. Elevation 3056 KB 3051 GL
 Address P.O. Box 8050 Edmond, OK 73083
 Co. Rep / Geo. Kit Noah Rig Murfin #110
 Location: Sec. 15 Twp 11 Rge. 32 Co. Logan State KS.

Interval Tested ~~4300-4308~~ 4308-4330 Zone Tested UKC "L"
 Anchor Length ~~22'~~ 22' Drill Pipe Run 4127 Mud Wt. 9.3
 Top Packer Depth ~~4303~~ 4303 Drill Collars Run 176 Vis 55
 Bottom Packer Depth ~~4308~~ 4308 Wt. Pipe Run — WL 8.0
 Total Depth ~~4300~~ 4330 Chlorides 2500 ppm System LCM #

Blow Description JF - S. blow built to 3 1/4"
ISJ - No blowback
FF - S. blow built to 3"
FSJ - No blowback

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|--------------|-----------|------|-----------|------|
| <u>15</u> | <u>140CM</u> | <u>45</u> | | <u>55</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 15 BHT 116 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2136</u> | <input checked="" type="checkbox"/> Test <u>1300</u> | T-On Location <u>08:00</u> |
| (B) First Initial Flow <u>25</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>08:17</u> |
| (C) First Final Flow <u>29</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>09:55</u> |
| (D) Initial Shut-In <u>136</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>13:25</u> |
| (E) Second Initial Flow <u>26</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>15:06</u> |
| (F) Second Final Flow <u>34</u> | <input checked="" type="checkbox"/> Mileage <u>100RT</u> 100 | Comments |
| (G) Final Shut-In <u>140</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2131</u> | <input type="checkbox"/> Straddle | <input checked="" type="checkbox"/> EM Tool <u>350</u> |
| Initial Open <u>60</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>45</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Ruined Packer |
| Final Flow <u>60</u> | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| Final Shut-In <u>45</u> | <input type="checkbox"/> Day Standby | Sub Total <u>0</u> |
| | <input type="checkbox"/> Accessibility | Total <u>1725</u> |
| | Sub Total <u>1725</u> | MP/DST Disc't |

Approved By Kit Noah Our Representative Yetter Palmer
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67508

Well Name & No. Hockersmith 'C' #15-1 Test No. 6 Date 3-8-21
 Company Russell Oil Inc Elevation 3056 KB 3051 GL
 Address P.O. Box 8050 Edmond, OK 73083
 Co. Rep / Geo. Kitt Noah Rig Murfin #110
 Location: Sec. 15 Twp 11 Rge. 32 Co. Logan State KS

Interval Tested 4330-4366 Zone Tested Lenapah
 Anchor Length 36' Drill Pipe Run 4127 Mud Wt. 9.3
 Top Packer Depth 4325 Drill Collars Run 176 Vis 56
 Bottom Packer Depth 4330 Wt. Pipe Run — WL 8.8
 Total Depth 4366 Chlorides 3400 ppm System LCM 2#

Blow Description IF - 1/2" blow built to B.O.B (11 inches) @ 12 mins (blow increased to 27 3/4")
ISE - Return blow built to 1/2" @ 19 mins & maintained blow
FF - B.O.B (11 inches) @ 12 mins (blow increased to 34")
FSI - Return blow built to 1 1/4"

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|----------------------------------|----------|-----------|-----------|-----------|
| <u>300</u> | <u>Feet of SMCW w/oil trace.</u> | | <u>93</u> | <u>7</u> | |
| <u>510</u> | <u>Feet of GDSMW</u> | <u>8</u> | <u>3</u> | <u>49</u> | <u>40</u> |
| <u>10</u> | <u>Feet of CGO</u> | <u>5</u> | <u>95</u> | | |
| <u>0</u> | <u>Feet of 120' GIP</u> | | | | |
| | <u>Feet of</u> | | | | |

Rec Total 820 BHT 124 Gravity 39.4 API RW 1.65 @ 39.2 °F Chlorides 7,000 ppm

(A) Initial Hydrostatic 2180 Test 1300 T-On Location 22:45
 (B) First Initial Flow 31 Jars 250 T-Started 23:20
 (C) First Final Flow 217 Safety Joint 75 T-Open 01:00
 (D) Initial Shut-In 1174 Circ Sub _____ T-Pulled 03:45
 (E) Second Initial Flow 233 Hourly Standby _____ T-Out 05:47
 (F) Second Final Flow 380 Mileage 100 RT Comments _____
 (G) Final Shut-In 1082 Sampler _____
 (H) Final Hydrostatic 2059 Straddle _____ EM Tool 350
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer Top 320
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 320
 Accessibility _____ Total 2045
 Sub Total 1725 MP/DST Disc't - _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By Kitt Noah Our Representative Martin Palmer

Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67509**

Well Name & No. Hockersmith 'c' #15-1 Test No. 7 Date 3-10-21
 Company Russell Oil Inc Elevation 3056 KB 3051 GL
 Address P.O. Box 8050 Edmond, OK 73083
 Co. Rep / Geo. Kitt Noah Rig Murfin #110
 Location: Sec. 15 Twp 11 S. Rge. 32 W. Co. Logan State KS,

Interval Tested 4575-4614 Zone Tested Johnson
 Anchor Length 39' Drill Pipe Run 4381 Mud Wt. 9.4
 Top Packer Depth 4570 Drill Collars Run 176 Vis 60
 Bottom Packer Depth 4575 Wt. Pipe Run — WL 9.6
 Total Depth 4614 Chlorides 3500 ppm System LCM 1#

Blow Description IF - S. blow built to 3/4" & decreased to surface bubbles
ISI - No blow
FE - No blow
EST - Pull Tool

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|----------|------|-----------|------|
| <u>3</u> | <u>DCM</u> | <u>5</u> | | <u>95</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 3 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2342</u> | <input checked="" type="checkbox"/> Test <u>1300</u> | T-On Location <u>02:15</u> |
| (B) First Initial Flow <u>27</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>02:35</u> |
| (C) First Final Flow <u>25</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>04:20</u> |
| (D) Initial Shut-In <u>44</u> | <input type="checkbox"/> Circ Sub | T-Pulled <u>06:35</u> |
| (E) Second Initial Flow <u>26</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>08:16</u> |
| (F) Second Final Flow <u>27</u> | <input checked="" type="checkbox"/> Mileage <u>100RT</u> | Comments <u>Tools loaded @</u> |
| (G) Final Shut-In | <input type="checkbox"/> Sampler | <u>09:00</u> |
| (H) Final Hydrostatic <u>2331</u> | <input type="checkbox"/> Straddle | <input checked="" type="checkbox"/> EM Tool <u>350</u> |
| Initial Open <u>60</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>45</u> | <input type="checkbox"/> Extra Packer | <input checked="" type="checkbox"/> Ruined Packer <u>Bottom</u> <u>320</u> |
| Final Flow <u>30</u> | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| Final Shut-In <u>—</u> | <input type="checkbox"/> Day Standby | Sub Total <u>320</u> |
| | <input type="checkbox"/> Accessibility | Total <u>2045</u> |
| | Sub Total <u>1725</u> | MP/DST Disc't <u>—</u> |

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

KITT NOAH

PETROLEUM GEOLOGIST
Kansas License #229



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR: Russell Oil, Inc.
LEASE: Hockersmith "C" WELL NO. #15-1
LOCATION: 1675FN & 1150'FW
SEC: 15 TWP: 11S RNG: 32W
COUNTY: Logan STATE: Kansas

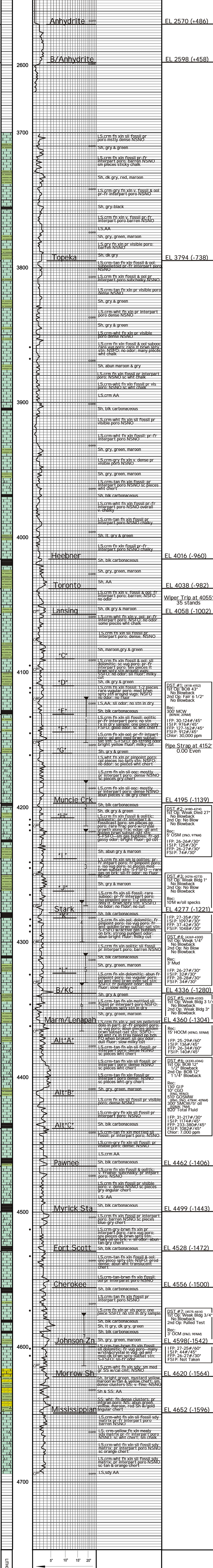
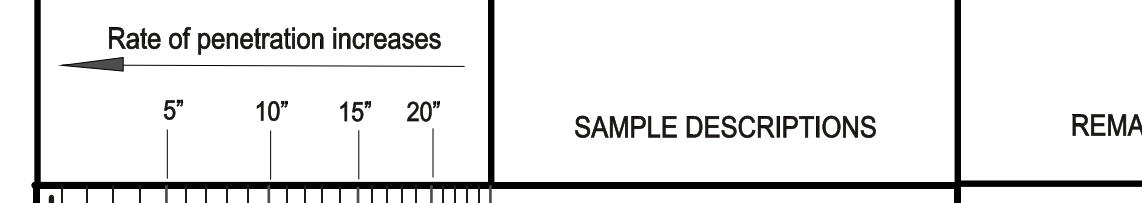
CASING RECORD:
SURFACE: 8 5/8" set at 305' w/180 sk.
PRODUCTION: None
DY TOOL: _____

| FORMATION | TOP DATE | LOG DATE |
|---------------|--------------|-----------|
| Anhydrite | 2570 (+486) | 3-2-2021 |
| B/Anhydrite | 2598 (+458) | 3-11-2021 |
| Heebner | 4016 (-960) | 4-6-2021 |
| Toronto | 4038 (-982) | 4-6-2021 |
| Lansing | 4058 (-1002) | 4-6-2021 |
| Stark | 4277 (-1221) | 4-6-2021 |
| B/KC | 4336 (-1280) | 4-6-2021 |
| Marmaton | 4360 (-1304) | 4-6-2021 |
| Pawnee | 4468 (-1412) | 4-6-2021 |
| Cherokee | 4556 (-1500) | 4-6-2021 |
| Mississippian | 4692 (-1596) | 4-6-2021 |
| KID | 4694 (-1638) | 4-6-2021 |
| LTD | 4696 (-1640) | 4-6-2021 |

CONTRACTOR: Murfin Drilling Rig #110
COM: 3-2-2021 COMPI: 3-11-2021
RTD: 4694 LTD: 4696
SAMPLING TIME SAVED FROM: 3700 TO TD
DRILLING TIME SAVED FROM: 3700 TO TD
SAMPLES EXAMINED FROM: 3720 TO TD
GEOLOGICAL SUPERVISION FROM: 3720 TO TD
MUD UP: 3600 MUD TYPE: identical
Mudco - Reid Atkins 7
Drill Stem Tests Taken: _____
Triolbite - Martine Salinas
Surveys: Midwest Wireline
Dual Compensated Porosity
Dual Induction
Microlog

ELEVATION: KB 3056
GL: 3051
MEASURED FROM: KB
#15-109-21.612

LEGEND



ELEVATION: KB 3056

OPERATOR: Russell Oil, Inc. LOCATION: 1675FN & 1150'FW
LEASE: Hockersmith "C" WELL NO. #15-1 SEC: 15 TWP: 11S RNG: 32W
API: 15-109-21.612 FIELD: Wildcat COUNTY: Logan STATE: Kansas

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2185

| | | | | | | | |
|---------|------|------|-------|--------|-------|-------------|---------|
| Date | Sec. | Twp. | Range | County | State | On Location | Finish |
| 3-11-21 | 15 | 11 | 32 | Logan | KS | | 4:45 AM |

Location Oakley Golf Course 1/4 SE into

| | | | |
|---------------------|------------|--|--|
| Lease | Well No. | Owner | |
| Hockersmith C | 15-1 | To Quality Oilwell Cementing, Inc. | |
| Contractor | | You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. | |
| Mun-Bn #10 | | | |
| Type Job | | Charge To | |
| Rotary Plug | | Russell Oil | |
| Hole Size | T.D. | | |
| 7 7/8 | 4694 | | |
| Csg. | Depth | Street | |
| | | | |
| Tbg. Size | Depth | City | |
| | | State | |
| Tool | Depth | The above was done to satisfaction and supervision of owner agent or contractor. | |
| | | | |
| Cement Left in Csg. | Shoe Joint | Cement Amount Ordered | |
| | | 240 ⁶⁰⁰ / 40 4-1-02 1/4 #10 | |

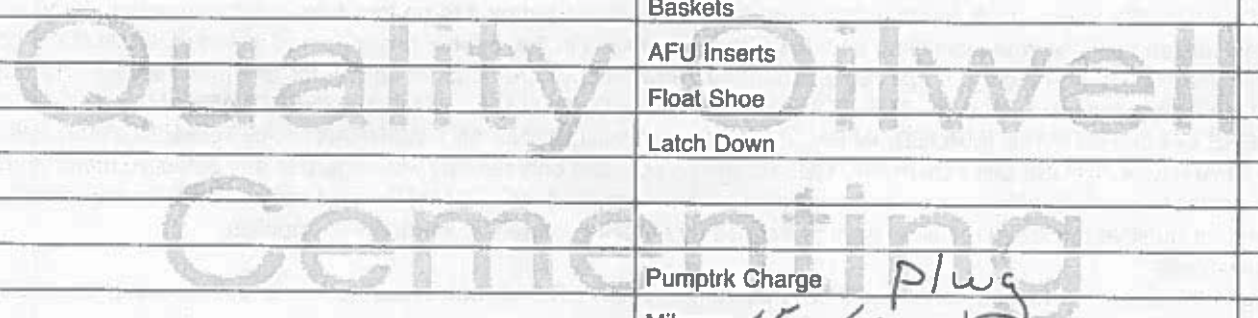
Meas Line Displace

| | | | | | |
|-----------|-----|----------|--------|----------|-----|
| EQUIPMENT | | | | Common | 144 |
| Pumptrk | No. | Cementor | Helper | Poz. Mix | 96 |
| 20 | | Craig | | 9 | |
| Bulktrk | No. | Driver | Tom | Calcium | |
| 14 | | Tom | | Hulls | |

JOB SERVICES & REMARKS

| | |
|--------------------|-------------------------------------|
| Remarks: | Salt |
| Rat Hole | Flowseal 60# |
| 305K | Kol-Seal |
| Mouse Hole | Mud CLR 48 |
| Centralizers | CFL-117 or CD110 CAF 38 |
| Baskets | Sand |
| D/V or Port Collar | Handling |
| 1st 2600 505K | 249 |
| 2nd 1775 1005K | Mileage |
| 3rd 350 505K | FLOAT EQUIPMENT 8 5/8 In/ Hole Plug |
| 4th 40' 105K | Guide Shoe |
| | Centralizer |
| | Baskets |
| | AFU Inserts |
| | Float Shoe |
| | Latch Down |

| | |
|----------------|--------------|
| Pumptrk Charge | Plug |
| Mileage | 15 (min) |
| Signature | Tax |
| | Discount |
| | Total Charge |



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2180

| | | | | | | | | | | | | | | | |
|------------------------------------|--------|------|----|------|----|-------|----|-------------------------|-------|-------|----|--|--|--------|--------|
| Date | 3-2-21 | Sec. | 15 | Twp. | 11 | Range | 32 | County | Logan | State | KS | On Location | | Finish | 4:00pm |
| Lease | | | | | | | | Location | | | | Oakley Golf course 1/25 Finto | | | |
| Hockersmith C | | | | | | | | Well No. 15-1 | | | | Owner | | | |
| Contractor | | | | | | | | Munin #110 | | | | To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. | | | |
| Type Job | | | | | | | | Surface | | | | Charge To | | | |
| Hole Size | | | | | | | | 12 1/4 | | | | T.D. | | | |
| Csg. | | | | | | | | 8 5/8 | | | | Depth | | | |
| Tbg. Size | | | | | | | | | | | | Depth | | | |
| Tool | | | | | | | | | | | | City | | | |
| Cement Left in Csg. | | | | | | | | 15' | | | | Shoe Joint | | | |
| Meas Line | | | | | | | | Displace | | | | 18BL | | | |
| EQUIPMENT | | | | | | | | Common | | | | 145 | | | |
| Pumptrk | | | | | | | | No. 20 | | | | Cement Helper | | | |
| Bulktrk | | | | | | | | No. | | | | Driver | | | |
| Bulktrk | | | | | | | | No. 14 | | | | Driver | | | |
| JOB SERVICES & REMARKS | | | | | | | | Hulls | | | | | | | |
| Remarks: | | | | | | | | Salt | | | | | | | |
| Rat Hole | | | | | | | | Flowseal | | | | | | | |
| Mouse Hole | | | | | | | | Kol-Seal | | | | | | | |
| Centralizers | | | | | | | | Mud CLR 48 | | | | | | | |
| Baskets | | | | | | | | CFL-117 or CD110 CAF 38 | | | | | | | |
| DNV or Port Collar | | | | | | | | Sand | | | | | | | |
| 8 5/8 on bottom. Est. Circulation. | | | | | | | | Handling | | | | 190 | | | |
| Mix 180 SK & Displace | | | | | | | | Mileage | | | | | | | |
| Cement Circulated | | | | | | | | FLOAT EQUIPMENT | | | | | | | |
| | | | | | | | | Guide Shoe | | | | | | | |
| | | | | | | | | Centralizer | | | | | | | |
| | | | | | | | | Baskets | | | | | | | |
| | | | | | | | | AFU Inserts | | | | | | | |
| | | | | | | | | Float Shoe | | | | | | | |
| | | | | | | | | Latch Down | | | | | | | |
| | | | | | | | | Pumptrk Charge | | | | Surface | | | |
| | | | | | | | | Mileage | | | | 15 (min) | | | |
| X Signature | | | | | | | | Total Charge | | | | Tax | | | |
| | | | | | | | | | | | | Discount | | | |
| | | | | | | | | | | | | Total Charge | | | |

Thanks